Cryo Broadlight[®] 2

Operator Manual







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The CBL2 is registered with the ARTG (inclusion No: 274602)

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1. Safety and Regulatory



Before using this device, it is essential that you read this manual

thoroughly to ensure that you understand all its features and

functions and can operate it safely and effectively. This manual contains important information on the installation, safety instructions, use and care of

your machine. For your safety, you must read all safety instructions and operating directions before

using this machine.

Without limitation, the manufacturer will not be held responsible for personal injury and materi

1.1 Electrical mazards

- - Because the machine operates at high voltage, it must not be used in conjunction with other heat

transfer products.

- Be careful not to let water into the unit. This could result in high-voltage electric shock and could be a fire hazard.
- Do not use a damaged cord or plug.
- Unplug the power plug when the machine is not being used for long periods of time. Dust may result in an electric shock or fire.
- Disconnect the power immediately if the machine becomes wet, emits an unusual sound, a burnt

smell or any smoke. In this situation, you should contact a service center.

1.2 Fire hazards

- Do not leave combustible or inflammable material near this machine.
- Do not cover this machine with a cloth or any covering during a treatment.

1.3 Installation hazards

- Do not place this machine in direct sunlight. Install the machine indoors in a well-ventilated area.
- Do not place this machine on a sloping surface.
- Avoid bumping or knocking this machine. Any external blow, however slight, can damage the mechanism.

1.4 Clean-up procedure

- Please note that cleaning of the machine should not commence until the power to the machine turned off. Under no circumstances should water come in direct contact with this unit.
- If the machine becomes dirty, clean with a soft cloth.

1.5 Regulatory compliance

• To prevent incorrect use of equipment and unauthorized use of the device, remove the Key Switch

from the device and store it separately in a secure place.

- This equipment is a Class 3 medical device; the user must have familiarised himself/herself with all the material in this manual before using the equipment.
- The use of unauthorised accessories could cause equipment failure and resulting damage to the

equipment. In such circumstances, the equipment warranty would be voided. It is mandatory to use genuine accessories.

• Never try to repair the machine on your own; it should be repaired or serviced only by qualified service personnel. Please contact the service facility for examination, repair, or adjustment.

1.6 Contraindications

Contraindications

Treatment should be declined or postponed under the following circumstances:

- Pregnancy
- Diseases (Cardiovascular disease, Liver disease, Kidney disease, Cancer, Diabetes)
- Infection in the treatment region
- Patients with keloids
- Use of a pacemaker
- Regular use of anti-inflammatory medication
- Sensitive problem skin
- Hypertrophic scars
- Red spots

2. Components

2.1 Structure



2. Components

2.1 Structure



2.2 Touchscreen

CBL2's simple interface and touch screen capabilities make switching between ST (Skin Treatment) and HR (Hair Removal) modes easy and efficient. For each function and its use, please see the section entitled "System Operation".

2.3 Handpiece

Multiple filters, each with a different wavelength, can be used with the CBL2 handpiece. The user can choose the appropriate filter for the specific treatment.



2.4 Filters

- ST (Skin Treatment) Mode : 430nm, 515nm, 560nm, 585nm, 640nm filters
- HR (Hair Removal) Mode : 700nm filter.





2.5 Attachable Small Adaptors



- 8mm Round Tip
- 12 mm Square Tip

2.6 Accessories

2.6.1 Handpiece holder





2.6.2 Funnel

The funnel is used to fill the machine's water container with distilled water.

2.6.3 Safety key

Key for system on and off



3. Installation Instructions

3.1 Connect Handpiece holder

Connect the handpiece holder to the machine.



3.2 Connect Handpiece

Connect the handpiece connector to the handpiece socket on the body.



[Disconnection] Press the button in both sides of the handpiece and pull the connector upward.



3.3 Hold handpiece

Attach the handpiece to the handpiece holder.



3.4 Fill Distilled Water Tank

- 1) Open the water tank cover.
- ② Turn the Water Fill Port cap then open it. Open the Vent hole.

Connect the funnel tube to the Water Fill Port. Slowly pour in the distilled water.

③ The tank holds **approximately 4L of distilled water.** Stop pouring when the water level

reaches the red water level indicator line.

Important: Refilling Distilled Water

The machine directs the stored water into the system and the handpiece. Some additional water will be required after running the machine for the first time.

You should top up the water tank with approximately 1 litre.





(3)

[Draining distilled water]

- 1. Open Drain port, then drain the stored water.
- * If the device will not in use for a long period, please drain

the water first, then store the device.



3.5 Insert Key



Insert the safety key in the keyhole at center of this unit.

3.6 Turn on the Power

Turn on the main power (switch up at rear of the unit) and turn the safety key clockwise for power

supply.

* For power off, turn the safety key counterclockwise and switch down.



Power button

Key switch

3.7 Check Emergency switch

Press emergency switch to power off.

* Unlock the emergency switch: Turn the emergency switch clock wise.



3.8 Insert Filter

- 1) Match handpiece and the connection groove of filter
- 2) Insert the filter fully into the handpiece.
- 3) Detach the filter by pulling it away from the handpiece.



Filter mounting

Filter detaching

3.9 Connect small adaptor

- 1) Apply some ultrasound gel onto the small tip.
- 2) Gently press into bottom of the tip and handpiece.



4. System Operation

4.1 Loading

The loading screen will light up after Power On.

Communication, Water, Handpiece, Power Simmer and Interlock Check show as the system initiates.



4.2 Select Treatment mode

The following screen appears when no filter is attached to the handpiece.

The treatment screen appears automatically when the filter is attached.



4.2.1 ST (Skin Treatment) mode

[Filter: 430nm, 515nm, 560nm, 585nm, 640nm]



4.2.2 HR (Hair Removal) mode

[Filter: 700nm]





(1) Filter type	Provides the identity of the current filter
(2) Manual button	Select 2, 3 pulse manual value
(3) Pulse type button	Select pulse type (4 Levels)
(4) Pulse	Displays Pulse value
(5) Pulse decrease/increase button	Pulse select
(6) Delay	Displays Delay value
(7) Delay decrease/increase button	Delay select
(8) Fluence	Displays Fluence value
(9) Fluence decrease/increase button	Fluence value select
(10) Memory button	Select Preset or Save preferred setting value
(11) Standby/ready button	Treatment Standby/ready
(12) Current shot count	Number of current shot
(13) Current shot erase button	A button for erasing current shot number
(14) Total shot count	Displays the number of total shots (displays for 2 sec.)
(15) Single/repeat button	Selects single shot or continuous shot
(16) Temperature display	Displays the current temperature of the handpiece
(17) Cooling display	Cooling on/off display
(18) Temperature setting button	Sets handpiece temperature
(19) Handpiece or foot switch	Displays Handpiece/foot switch setting
(20) Water Flow	Water Flow Error (Blinking)
(21) Water Level	Water Level Error (Blinking)
(22) Sound button	Touch screen Sound On/Off

4.3.1 Filter type



(1) Filter type

Displays the installed filter type.

	430 nm	FILTER 430 nm
ST mode	515 nm	FILTER 515 nm
	560 nm	FILTER 560 nm
	585 nm	FILTER 585 nm
	640 nm	FILTER 640 nm
HR mode	700 nm	FILTER 700 nm

4.3.2 Pulse type



(2) Manual button

Select the value of 2pulse and 3pulse (Pulse & Delay) manually. Click the value you want to modify and increase (+) decrease (-) button to set the value

Double pulse mode



• Triple pulse mode



(3) Pulse type button

Select pulse (Preset : Double Pulse)

• Single pulse mode



• Double pulse mode



• Triple pulse mode



• GP (Genesis pulse) mode



4.3.3 Pulse & Delay



(4) Pulse value

Displays the set pulse value.

(5) Pulse decrease/increase button

Left (-) / right (+) button for pulse.

Туре	Pulse(ms)
One Pulse	3~35
Double Pulse	3~25
Triple Pulse	3~20
Toning Pulse	3~25

(6) Delay value

Displays the set delay value.

(7) Delay decrease/increase button

Left (-) / right (+) button for delay.

Pulse	Delay(ms)
One Pulse	-
Double Pulse	1~50
Triple Pulse	1~50
Toning Pulse	-

4.3.4 Fluence



(8) Fluence value

Displays the set fluence value.

(9) Fluence decrease/increase button

Left (-) / right (+) button for pulse.

Pulse	Fluence(J/m²)
One Pulse	6-40
Double Pulse	6-40
Triple Pulse	6-40
GP Pulse	

4.3.5 Standby & Ready

(10) Standby & Ready button

If there is no input for 1 minute after Ready, the machine switches to Standby mode.



READY

Standby button : Standby for treatment

Ready button : Procedures ready

4.3.5 State display



(11) Current shot count

Displays the number of the current shot.

- (12) Current shot erase button Erases the current shot number.
- (13) Total shot count button Displays the total number of shots used
- (14) Single/repeat button Selects single shot or continuous shot when pulling the trigger.
- (15) Temperature display Displays the current temperature of the handpiece
- (16) Cooling on/off display
- (17) Temperature setting button

Sets the handpiece temperature



(18) Handpiece or foot switch

Press the button to select the handpiece or foot switch



Handpiece Switch



Foot Switch

(19) Water flow

This icon will blink when there is a water circulation error.



Normal



(20) Water level

This icon will blink when the water level is low.





Shortage

(21) Sound button

The touch screen button will mute or restore the sound.





OFF

4.4 HR mode screen



(1) Filter type	Provides the information of the current filter
(2) Manual button	Select 2, 3 pulse manual value
(3) Pulse type button	Select pulse type (3 levels)
(4) Pulse value	Displays Pulse value
(5) Pulse decrease/increase button	Pulse select
(6) Delay value	Displays Delay value
(7) Delay decrease/increase button	Delay select
(8) Fluence value	Displays Fluence value
(9) Fluence decrease/increase button	Fluence value select
(10) Memory button	Select Preset or Save preferred setting values
(11) Standby/ready button	Treatment Standby/ready
(12) Current shot count	Number of current shot
(13) Current shot erase button	A button for erasing current shot number
(14) Total shot count	Displays the number of total shots (displays for 2 sec.)
(15) Single/repeat button	Select single shot or continuous shot
(16) Temperature display	Displays current temperature of filter
(17) Cooling display	Cooling on/off
(18) Temperature setting button	Set handpiece temperature
(19) Handpiece or foot switch	Displays Handpiece/foot switch selection
(20) Water Flow	Water Flow Error (Blinking)
(21) Water Level	Water Level Error (Blinking)
(22) Sound button	Touch screen Sound On/Off

4.4.1 Pulse type



(1) Manual button

Select pulse (Preset : Double Pulse)

• Single pulse mode



• Double pulse mode



• Triple pulse mode



4.4.2 Pulse & Delay



(2) Pulse decrease/increase button

The left (-) / right (+) button for pulse.

Pulse	Pulse(ms)
One Pulse	3~35
Double Pulse	3~25
Triple Pulse	3~20

(3) Delay decrease/increase button

The left (-) / right (+) button for Delay.

Pulse	Delay(ms)
One Pulse	-
Double Pulse	1~50
Triple Pulse	1~50

4.4.3 Fluence



(4) Fluence decrease/increase button

The left (-) / right (+) button for Fluence.

Pulse	Fluence(J/m²)
One Pulse	6-40
Double Pulse	6-40
Triple Pulse	6-40

4.5 Error Messages

• Check message after operating



• Error message during operating

- There are 9 possible error messages: Check Serial, Power, Handpiece, Water Level, Water Flow, Interlock, Over voltage, Charge, EEPROM.
- For the following error messages, you must stop operating immediately: Interlock, WaterLevel, Water Flow Error message (warning message), Serial, Simmer, Handpiece, Over voltage, Charge, EEPROM.

Error messages appear as following:



Serial Error: one error



Interlock, Handpiece Error: 2 errors

4.5 Error Messages

• Check message after operating

Check the Communication, Water, Handpiece, Power, Simmer, Interlock error. If there
 is

any error a warning sign (!) appears. If normal, 'OK' appears on the screen.

• To close an error pop-up, press 'OK'.



- Error message during operating
 - If there is any error, the machine will be stopped, except for 'Please wait for cooling' as below photo:



5. Maintenance

5.1 Cleaning

Handpiece Sapphire and Attachable Adaptors

Clean the sapphire/attachable adaptors with damp tissue after using the machine.



Handpiece / Filters

Power off the machine and clean the handpiece with a dry cloth.

You must clean away any foreign substances on the filters, the filter connecting area and the crystal lamp.

Screen

Use a soft cloth to clean the screen. If necessary, press lightly and clean in several passes.

6. Warranty

CERTIFICATE OF WARRANTY

1 YEAR WARRANTY (6 years parts retention period) This certificate of warranty describes unpaid services available and paid service for those who use the instrument properly. EunSung Global Corporation or the sales agency where you purchased the product will service the product according to the warranty, however, the sales agency shall not provide entire warranty for the condition of the instrument.

Product name Serial No. Date of purchase Sales agency

Unpaid service

If you purchased the product within 1 year and the product is malfunctioning, unpaid services are

Paid service

- 1. When the product has no failure
 - When the customer requests reinstallation.
 When the customer requests cleaning or
 - removing dust or debris inside of the product. • When the customer requests and individual service.
- When the customer requests and individual service
- 3. Others
 - Product failures by natural disasters (e.g. Fire, salt damage, lightning, flood, earthquake, etc)
 - Even within the warranty period, replace the consumable parts such as filter and fuse for a paid service.
- 2. Failures caused by the negligence
 - Product failures by customer's negligence, repair or modification
 - Product failures by repair by a unauthorized service center.
 - · Product failures by wrong use of the electric power.
 - · Product failures by damages or fall-out.
 - Product failures by use of third-party supplies and parts.
 - Product failures that are not mentioned in this instruction book.
 - Product failure caused by incorrect administration.

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This certificate will not be reissued so please keep it together with the instruction book.

7. Customer Service and Sales



Supports the CBL2 in Australia and New Zealand Ph: 1300 346 448 E: info@cryomed.com.au www.cryomed.com.au Unit 26/112 McEvoy St Alexandria NSW 2015 Australia

Your CBL2 should be supported by Cryomed.

The CBL2 requires 12 monthly services:

- Energy calibration
- Water filter change
- Water change
- Light filter check x 6
- Handpiece and cable check
- Overall system test and checking



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