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UMISLIM

LUMISLIM manual

DAEYANG MEDICAL CO., LTD.

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DAEYANG MEDICAL CO., LTD.

General Information

LUMISLIM is a device used for reducing the fat by shining the emitted light energy (laser) over the skin.

Read, understand and follow all of the Safety Precautions found in this section and throughout this manual prior to System use.

of the **LUMISLIM**.

Warranty

This product is warranted against defects in materials and workmanship for a period of one year from the date of shipment.

The Company will at its option, repair or replace components which prove to be defective during the warranty period, provided that the repairs or replacements are carried out by the Company or its approved agents.

The Company will consider itself responsible for the effects on safety, reliability and performance of the product :-only if assembly operations, re-adjustments, modifications or repairs are carried out by persons authorized by it, only if the product is used in accordance with the instructions for use, only if the electrical installation of the relevant room complies with the appropriate national requirements.

carriage paid.

Consumable items, for example, Pad and Power cord are not included from the above warranty.

Observe all applicable precautionary measures for treatment. Keep informed on appropriate indications and contraindication for the use

Should the product be returned to the Company for repair, it must be sent



- Please confer with a professional technician before using the product.
- Every accessories needed to plug in with accurate position.
- is easy to getsplashed by water(rain).
- Please observe the recommended operation time and method.
- Install the product on a level area.
- product.
- use it for a long period. (There may be a risk of fire.).
- heavy object on them. (There may be a risk of electrical shock or fire.)
- same time. (There may be a risk of fire.)
- Check out for the rated voltage when you install the product.
- regulations and operation procedures specified in this User Manual.
- middle of using it are excluded from warranty coverage for service. make an inquire to the installer of the LumiSlim before using the device.



Precautionary Instructions

The precautionary instructions found in this section and throughout this manual are indicated by specific symbols. Understand these symbols and their definitions before operating this equipment. The definition of these symbols are as follows; =CAUTION Text with a "CAUTION" indicator will explain possible Safety infractions that could have the potential to cause minor to moderate injury or damage to equipment.

Safety infractions that will potentially cause serious injury and equipment damage.

 =DANGER Text with a "DANGER" indicator will explain possible Safety infractions that are imminently hazardous situations that would result in death or serious injury.

NOTE:- Throughout this manual "NOTE" may be found. These Notes are helpful information to aid in the particular area or function being described.

• Do not install the product in the oily, smoky, damp and dusty area or the area which

(do not use any other things than the product supplied by the manufacturer.)

• Please confer with a doctor when you feel abnormal in your body while using the

• Please unplug the power cord when you have finished using it or will not expect to

• Do not bend the electrical cord or accessories using force or place a sharp or

• Do not plug several power cords of electrical appliances into one receptacle at the

(There may be a risk of circuit damage or fire unless the rated voltage is not used.)

• The person in charge of handling the LumiSlim should be familiar with all safety

• Problems occurring due to carelessness in using or managing the system in the As for any part different from the contents described in this User manual, be sure to

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• If you have any problems with this product, immediately stop using this product and contact our customer service center or stores where you bought this product.

- People who suffer from or are suspicious to have a disease including malignancy, high fever, pregnancy, skin disease or any other diseases around the used body part, excessive general weakening, allergy symptoms or who need to use a life-support should confer with a doctor before using the product.
- Do not put any inflammables on the product except the belt that we provide.
- Do not disassemble, repair and remodel the product at discretion of a user. Please contact the sales store or customer service center for help to repair it. (There may be a risk of electrical shock or fire).
- Please contact the customer service center for a check and repair of the product for the following cases:
- There is a damage on a cable or plug, and the product doesn't work properly.
- The product was dropped and damaged.
- The product is wet with water.
- Please insert a plug in a wall socket with grounded.
- Do not use a damaged electrical cord or aged receptacle. (There may be a risk of electrical shock or fire).
- Do not give a shock to the product or accessories.



A

DANGER

• Do not put the electode to your eye directly to prevent from your eye damage (Light emitted from this *LUMISLIM* contains visible rays or invisible substances harm ful to eyes.

Be careful not to directly look at the light and lest it be reflected on the reflective surface.

In order to prevent the emitted or reflected light from being exposed accidently, all persons in charge

who are using this system should be sure to wear the protective glasses.

Also, be careful lest the light face eyes.

Even in case that the output is low, you may suffer a fatal eye injury.)

• Do not pull the power cord using force or touch the power plug with a wet hand. (There may be a risk of electrical shock or fire).

• Stop using the product and unplug the power cord immediately when there is thunder and lightening or an earthquake. (There may be a risk of electrical shock or fire)

· Dangers of explosions and fire.

• Do not operate the device in a place where there are volatile substances like ductile anesthetics, alcohol, gasoline or solvents.

We recommend you to use nonvolatile substances or tools, if possible.

And always keep a fire extinguisher near the device.



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Technical Specification.

Introduction

The *LUMISLIM* is composed of the power ON/OFF key, emergency switch, output part where light is emitted, monitor where you can see the whole situation, touch panel that enables you to operate the device by direct touch and micro control part that controls all motions, and it is a device used for relieving pain by shining the emitted light energy (laser) over the skin. Its maximum outlet is 160mW × 4, 40mW x 2.

Benefits of the product

• Its beautiful appearance goes well with the interior design

• Easy and simple control LCD touch screen All operations of the device can be made by direct touch, and you can see the whole functions on the monitor.

• Its one-touch way makes the program setting simple and convenient

• How to save (SAVE touch) to or call (CALL touch) from the memory.

It is convenient if you use frequently used functions by saving them.

(Random saving from SAVE1 ~ SAVE7 available)

• Time setting and output control can be freely adjusted

General

Power Input
Maximum Power Consumption
Classification (EN60601-1)
Mains Fuses
Size (height x width x depth)
Weight
Pulse
Hz Output strength
Treatment Timer
Safety Device

The LUMISLIM is designed to operate from any 50/60Hz single phase supply between AC 85~264Vac. All information on model, serial number, and month/year of manufacture is located on the rear panel.

Environmental Conditions for Transport and Storage

- Temperature 5 to 40°
- Relative Humidity 5 to 95%
- Atmospheric Pressure 500 to 1060 hPa



AC85-264V / 50-60Hz
Class 1, Type B
Maximum 40mW × 18
0 to 30 minutes
Zero Start, Safety Switch



Features of LUMISLIM



Safety Precautions

Please read the manual thoroughly before using the product.

Using this manual, you can easily and quickly understand how to use the product. People who suffer from or are suspicious to have a disease including malignancy, high fever, pregnancy, skin disease or any other diseases around the used body part, excessive general weakening, allergy symptoms or who need to use a life-support should confer with a doctor before using the product.

Use only certified-safe accessory items.

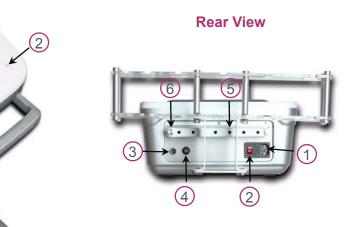
Use only those accessory items listed in the equipment's instruction manual. For any other accessory items, employed should be certified as safe for such use by a testing authority.



Side View

- 1. LCD display for control
- 2. Sub On/Off Switch
- 3. Handle
- 4. Pad support
- 5. Pad





Rear View

- 1. Power Inlet
- 2. On/Off Switch(Main)
- 3. Interlock connector
- 4. Fuse (2 x T3A)
- 5. Pad linkage
- 6. Pad connection cord fixing bar

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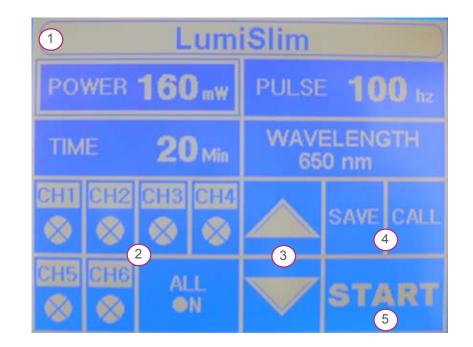
Accessories

User Interface



No.	Name	Function
1	Multi Pad	Composed of four outlet ports, as the part from which the light is released
2	Single Pad	Composed of one outlet port, as the part from which the light is released
3	Protective glasses	Glasses to protect the eyes of the curer and patients
4	Fixing belt	Belt fixing the Pad to the body
5	Power cord	Electric wire connecting the power supply to the device





No	Name	Function
1	Program	Displayed Program (POWER,PULSE,TIME,WAVELENGTH)
2	Operation Display	Display of the picture of motion by channel
3	INTENSITY	Select Output Power
4	SAVE/CALL	How to save (SAVE touch) to or call (CALL touch) from the memory
5	START	Program Start

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How to Use

How to use the product

1) Before setting up

a co po	1) Be sure to set the product on a flat even surface (If not damage may occur)	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	4) Do not place liquids on or near the product(This may result in electrical shock, damager or/and fire)
1000 B	 Do not set the product in a damp and dirty area (This may result in electrical shock or fire) 	30 × 10	5) Product must be turn off when not in use
AN A	 Do not place flame, candle, cigarettes on the product 	6) Please in- stall and use the specified order.	

2) Product set up

(1) Unzip the storage bin inside the box. Take out the unit, PAD, etc.

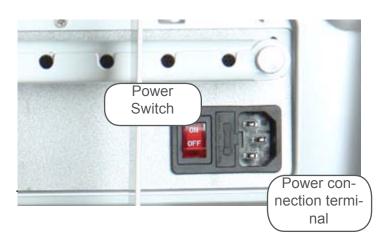
(2) Connect all of Pads to the respective jack on the front.

(3) Plug the power cord into a power outlet. Ensure the outlet is configured for AC85-264Vac.

3) How to operate and use the device

(1) Preparations before use

① Connect the power supply cable to the power connection terminal of the body and then turn the power switch on. Connect the power supply within AC85-264V / 50-60HZ.



② Turn the sub power switch on the front side of the device ON.

③ Check if the screen is displayed as in the Picture screen 1.





(, ,

(Picture screen 1)

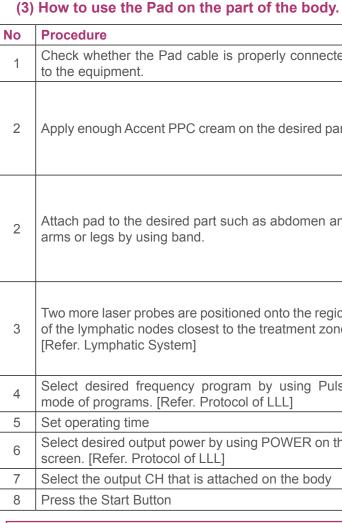


(2) Operation method for light emission



(Picture screen 2)

- When the sub power switch is 9ON:, normal figures are displayed as in the main screen of Picture screen 2.
- If you touch the mode to use according to the purpose of the procedure, the curser is created, and if you want to change the settings, you can do so by touching the AV part.
- Set and change the strength, pulse, time and memory of the laser output to use by touching the ΛV part. (time setting of 10 minutes recommended)
- If you touch the /START/part after fixing the Pad on the affected area by using the belt, light is released.



* Cautions!

As the light may affect the sight of the user when the device operates, the user never fails to wear the protective glasses, and the people around the user should wear protective glasses or other protective equipment.

* Warning!

The patient must be held the safety switch if it is not comfortable during treatment.



press the safety switch



	Description
perly connected	Multi Pad should be connected to Ch1~Ch4
the desired part.	
as abdomen and	C C C C C C C C C C C C C C C C C C C
d onto the region treatment zone.	
by using Pulse of LLL]	Frequency Range(Hz) : 5, 50, 100, 500, 1000
	Time(Min) : 5, 10 , 15, 20, 25, 30
POWER on the	Output Power Range(mW) : 80, 100, 120, 140, 160
d on the body	CH1~CH6

Appeared such as picture of left when you

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(4) How to save (SAVE touch) to or call (CALL touch) from the memory

* It is convenient if you use frequently used functions by saving them.

(Random saving from SAVE1 ~ SAVE7 available)

1. SAVE

On the main screen (Picture screen 3) touch the desired mode among POWER, PULSE, TIME, WAVELENGTH and move the curser. Confirm the setting change to use by touching the \Box , \Box part and then touch \Box SAVE \Box of the main screen.

The screen appears to have changed as in the following Picture screen 3, and if the desired one of SAVE1 - SAVE7 is touched, the screen as in the Picture screen 4 appears again.

- If you touch YES, saving is done.

- If you touch NO, you can return to the state of Picture screen 3 to select the place for saving again.
- If you touch CANCEL, it returns to the original state (Picture screen 2).

If you want to return without saving, touch the **RETURN** part



(Picture screen 3)

(Picture screen 4)

(Picture screen 5)

2. CALL

It is the function used to call the functions saved in the No. 1 SAVE mode, and if the CALL part is touched in the main screen (Picture screen 2), the screen changes as in the Picture screen 5.

If the desired CALL part is touched, the screen returns to the main screen (Picture screen 2) and the figures that have been saved after changing and setting are displayed.

If you want to return without CALL, touch the **RETURN** part.

(5) Explanation of the picture signs showing the state of motion by channel



Normal Connection

- Displays that the Pad is normally connected to the channel in the STAND-BY state



Normal Motion





Artificial Stopping

- Displays that the Pad stops its motion in the condition that it is normally connected to the channel in the STAND-BY or START state

If the screen is touched once on the Normal connection or Normal motion screen, motion stops and the screen shifts.



- If the temperature of the Pad rises over the standard in the motion state, the motion stops automatically to protect the skin, and the state of the screen changes.

If the temperature falls below the standard, the motion starts automatically.



- Displays that the Pad connected to the channel works normally in the START state

The temperature rises over the standard



The screen returns to the normal state.



All connected Channels "ON"

- It is used when converting various channels of the state of the artificial stop at one go.



The handpiece is not connected

- Displays the condition that the Pad is not connected to the body

(6) Cautions when using the device

- As the inside of the device should be manipulated by an expert engineer, random disassembling may cause trouble.
- During the procedure you should wear protective glasses and be very careful lest the light shine to eyes.
- Prohibit the use of the device around volatile matter or metal substances.
- As the operation of the device may stop when the voltage of the place where it is installed is not uniform, use it after installing A.V.R (Automatic Voltage Regulator) as occasion de mands.
- It is safe only when you use the device after making sure to confirm the control panel be fore using it.
- As heat may be generated during the use, it is prohibited to use the device on one area for a long time and check the part of the procedure while using it.
- Please use the device after careful reading of the User Manual before use.
- After finishing the use of the device, keep the power cord separating it from the socket. -

(7) How to store and maintain the device after use

- It is good to keep the device at room temperature (5° C ~ 40°<u>C</u>).
- Keep the device in a well-ventilated indoor place away from direct light that is not damp.
- No shock should be given from the outside of the device.
- Keep the power cord separating it from the socket.
- Keep the key separately in order to prevent any unauthor ized use by other people besides the manager.

Administration and caution

Safety Tips

S S S	1) Unplug the electrical cord the wall outlet when not in use
AL AL	 Do not disassemble, modif attempt to fix the product. W repair is required, please cal service.
	3) If you hear or experience ab mal sounds or functions, turr the power immediately and ca service.
R. C.	 Do not bend or mistreat power cord. This may resu electrical shock.
위험	5) Unplug product from elect outlet in the event of an elect

Self Checking Point

1) Before using the product

(1) Does the power code Insert a plug in a wall outlet?

- (2) Did you check the connection between main frame and the Pad?
- (3) Did you check the connection line?
- (4) Did you check the power switch ON?
- (5) Do you see any problem with screen?

2) After using the product

- (1) Did you check the power switch OFF?
- (2) Did you check the plug off in a wall outlet?
- (3) Did you clean the Pad?



1) Unplug the electrical cord from the wall outlet when not in use		6) Do not handle or pull the power cord with wet hands. This may re- sult in electrical shock.
2) Do not disassemble, modify, or attempt to fix the product. When repair is required, please call for service.		7)Do not plug product into electri- cal outlets shared with other elec- tric appliances. This may result in fire.
3) If you hear or experience abnor- mal sounds or functions, turn off the power immediately and call for service.		8) Do not use damaged power cords, or outlet. This may result in fire or electrical shock.
4) Do not bend or mistreat the power cord. This may result in electrical shock.	OK	9) Insert a plug in a wall outlet with ground.
5) Unplug product from electrical outlet in the event of an electrical storm to avoid damage, electric shock, or fire.	10) When the product is exposed to water or moister, unplug the outlets and do not use.	

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Before Calling for Service

I don't see any sign of light on the front panel.

Check	Solution
Did you check the power cord?	Plug into wall outlet
Did you check the power switch?	Power on the switch
Did you check the fuse?	Replace the fuse.
	If possible persist, unplug and call for ser-
	vice.
I can't see the output of Red lamp of Laser.	

Check	Solution		
Did you check the connections between	Reconnect the connection line.		
Pad?	Remove the foreign substance with alco-		
Do you see any foreign substance on the	hol gauze		
Pad ?			
LCD doesn't display			
Check	Solution		
Did you check the connections of power?	Plug in the input socket.		
Did you turn on the Power switch?	Check the Power switch		
Did you check the FUSE?	Check the FUSE		
	If possible persist, unplug and call for ser-		
	vice.		

All DaeYang Medical units are guaranteed against defects in material and workmanship for a period of one year after the date of purchase – with the exception of accessories and subject to normal wear.

Should your unit develop a fault, please return it to the distributor in the country where the unit was purchased.

DISTRIBUTOR	
	Oficina
MANUFACTURER	



GUARANTEE

Local Distributor

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