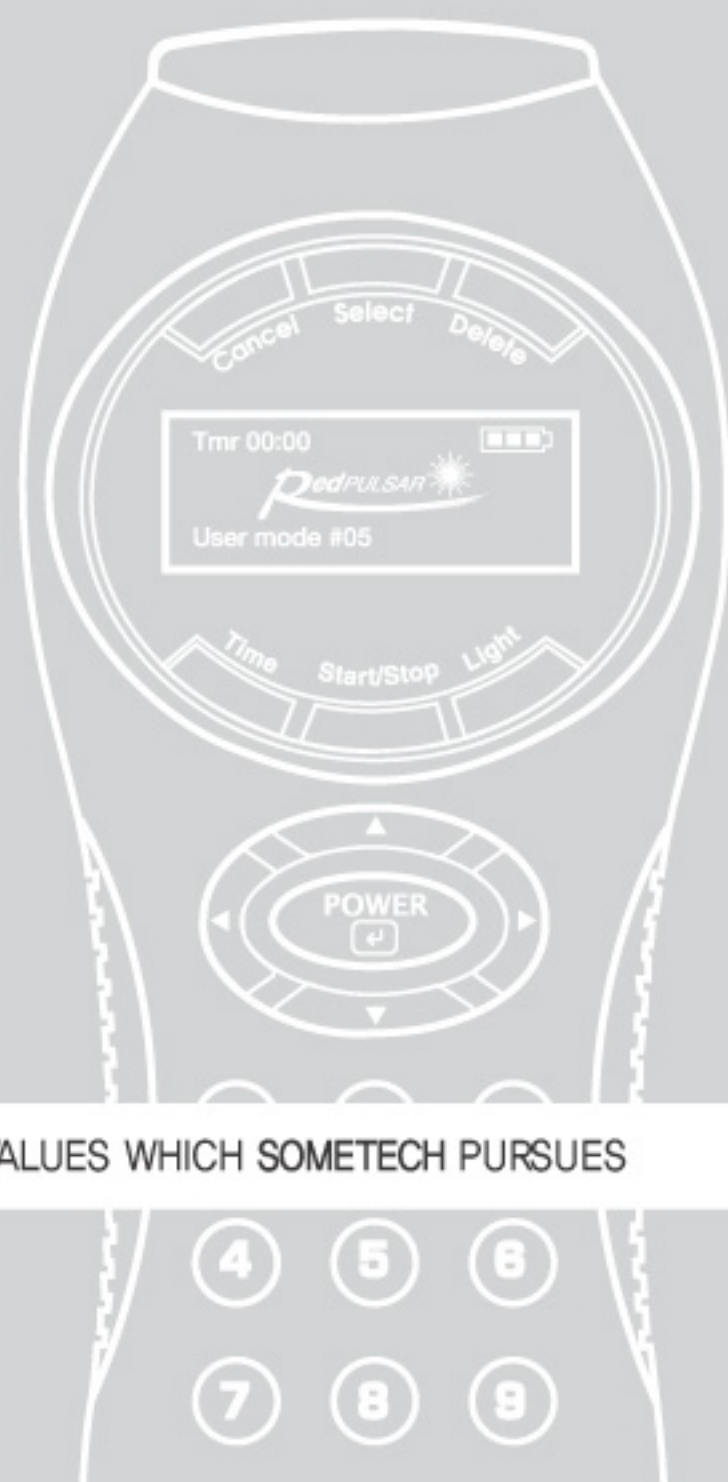


Low Level Laser Therapy

***Ped*PULSAR** 

► Model : **LLLT-40**

Portable Laser Irradiator for **Various Applications**



ADVANCED THOUGHTS AND FOREMOST TECHNOLOGIES – THE VERY VALUES WHICH SOMETECH PURSUES

What is RedPULSAR?

The RedPULSAR is a low level laser irradiator which is effective for wound healing and anti-inflammation, pain relief, activation of blood circulation applied to Oriental medicine, sports medicine, ENT, home health & aesthetic care etc. This therapy is referred as Low Level Laser Therapy (LLLT) that is key technology for RedPULSAR. It utilizes four low level laser (10mw each) with 635nm wavelength so it brings best therapeutic influence over human body.



How Does it Work?

Photon emission



Absorption via the photoreceptor of cytochromes



ATP Synthesized



Increase of cell metabolism



Selective stimulation on damaged cells



- Pain-relieving effect
- Anti-inflammatory effect
- Recovering damaged nervous tissues
- Building immune system



Features of RedPULSAR

- ➔ Portable & convenient irradiator
- ➔ Various preset program to wide range of diseases
- ➔ Built-in 60 preset programs
- ➔ User's program up to 10 preset mode
- ➔ Continued use for maximum 7 hours
- ➔ Practical accessory to various applications such as nose, ear, or oral cavity
- ➔ Auto-sleep mode to save power consumption when not in use
- ➔ Beam guide accessories



Applications

You will be satisfied
with rapid healing process
and convenience of RedPULSAR.



The Applications of RedPULSAR



! Pain Relief

Contusion, Lumbago, Neck Stiff, Sciatica, Fracture, Gout, Trigeminal Neuralgia, Migraine, Rheumatoid Arthritis, Neuralgia, Arthritis, Muscular Pain, Post Surgery, Knee Pain



! Laser Induced Lipolysis on adipose cells

Low level laser can penetrate into adipose tissue easily and make them liquefied. Therefore, it enhances aesthetic results of lipoplasty with rapid postoperative recovery by reducing operational time effectively.



! Sports Injuries

Wound Healing, Lumbago, Muscular Pain, Contusion, Neck Stiff, Tennis Elbow, Fracture



! Veterinary Hospitals

Wound Healing, Fracture, Edema, Reproduction, Bone Injury, Mange



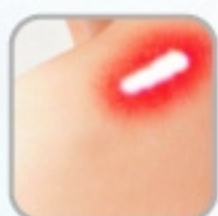
! Acupuncture

Contusion, Lumbago, Neck Stiff, Shoulder Stiffness, Arthritis, Facial Paralysis, Neuralgia, Acupuncture



! ENT Diseases

Tinnitus, Angina, Pharyngitis, Sinusitis, Rhinitis, Tonsillitis, Otitis Media



! Others

Acute Pain, Vertigo, Trauma, Impotence, Enhance Lymphatic Function, Enhance, Varicose, Obesity, Circulation, Hypertension, Headache, Constipation, Thrombosis, Stiff Muscle, Hypotension



Spot Beam



Line Beam



Diffused Beam



Moving arm stand ▶



! Dermatological Diseases

Wound Healing, Acne, Shingles, Eczema, Swelling, Erythema, Burns, Herpes, Bedsore, Alopecia, Ulcer



! Dental Diseases

Periodontal Disease, Mouth Eruption, Trigeminal Neuralgia, Toothache

Specifications

Power Supply	Battery	DC 7.4V, 1800mAh, Rechargeable Li-ion Battery
	Adaptor	AC 220V, 50~60Hz / DC9V, 500mA
Power Consumption		10VA
Type		Diode Laser
Class		Class IIb
Number of Laser Diode		4 ea
Output Power		10mW \pm 20% each
Wavelength		635nm
Output Type		Continuous or Pulsed Type (1~ 5000Hz \pm 10%)
Display		Graphic LCD(100 x 32 pixel)
Dimension(W x D x H)		68 x 27 x 170mm
Weight		300g(with battery)

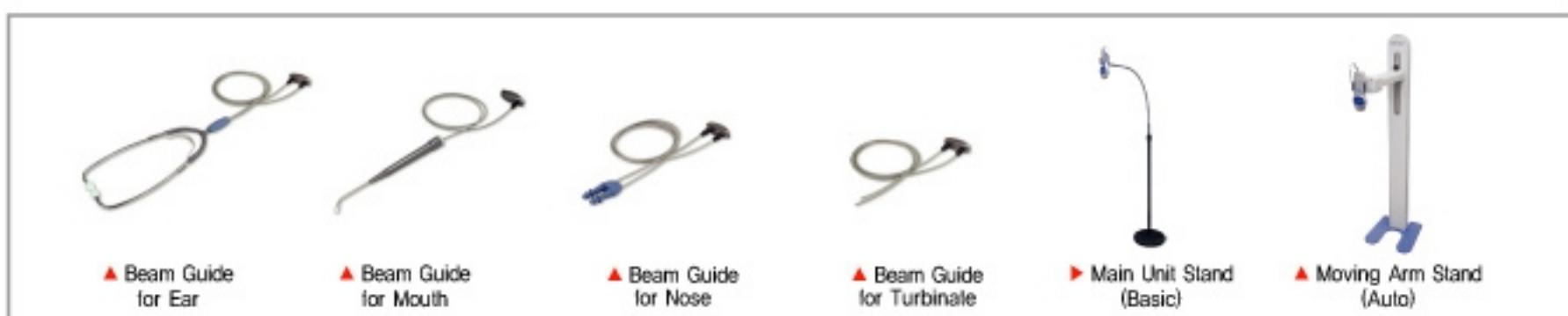
Composition

RedPULSAR can be widely applied along with customized adaptable accessories. In addition to 3 kinds of filters that enable a basic laser irradiation, each customized accessory that can be used for ENT diseases and a time-saving flexible holder doubles its convenience with cost-effectiveness.

The Standard Composition



The Optional Accessories



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