



ULTRASUN
RECHARGE YOURSELF

Q22

TSU EDITION

EQUIPPED WITH

ELECTRONIC BALLASTS

IQ TOUCH CONTROL INSIDE



ULTRASUN Q22

USA SUPPLEMENT 2021

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Introduction

Thank you for purchasing the finest and most durable tanning unit in the world. Your sunbed has been manufactured with extreme care and has been subjected to numerous quality control inspections and tests to ensure you reliable use.

This manual is meant to help you as far as possible. Should you have any questions, or suggestions in relation to our products, please do not hesitate to let us know.

Importer:

Tanning Supplies Unlimited
1504 Sadlier Circle South Drive
Indianapolis
Indiana 46239 U.S.A.

Phone: 1.877.307.8434
E-mail: info@tanningsuppliesunlimited.com
Web: www.TanningSuppliesUnlimited.com

Manufacturer:

Ultrasun International B.V.
Granaatstraat 6
7554 TR Hengelo
The Netherlands

Phone: +31 (0)74 2912215
E-mail: info@ultrasun.nl
Web: www.UltrasunInternational.com



Warning Labels And Exposure Schedule

The following stickers are on the **Ultrasun Q22**:


These stickers are placed on the outside of the **Ultrasun Q22** tanning device:

- **Attention labels Ultrasun Q22**

These stickers are visible for the user:

<p>EN: ATTENTION : ULTRAVIOLET RADIATION FOLLOW INSTRUCTIONS – WEAR PROTECTIVE EYEWEAR; FAILURE TO USE PROTECTIVE EYEWEAR MAY RESULT IN SEVERE BURNS OR OTHER LONG TERM EYE INJURY – IF DISCOMFORT DEVELOPS, DISCONTINUE USE AND CONSULT A PHYSICIAN</p>		<p>DANGER : AVOID OVEREXPOSURE. AS WITH NATURAL SUNLIGHT, OVEREXPOSURE CAN CAUSE EYE AND SKIN INJURY AND ALLERGIC REACTIONS. REPEATED EXPOSURE MAY CAUSE PREMATURE AGING OF THE SKIN AND SKIN CANCER. MEDICATIONS OR COSMETICS MAY INCREASE YOUR SENSITIVITY TO THE ULTRAVIOLET RADIATION. CONSULT A PHYSICIAN BEFORE USING THIS PRODUCT IF YOU ARE USING MEDICATIONS OR HAVE A HISTORY OF SKIN PROBLEMS OR BELIEVE YOURSELF ESPECIALLY SENSITIVE TO SUNLIGHT. IF YOU DO NOT TAN IN THE SUN YOU ARE UNLIKELY TO TAN FROM THE USE OF THIS PRODUCT. CHILDREN, THE ELDERLY OR FAIR SKINNED PEOPLE WHO ALWAYS BURN EASILY AND EITHER NEVER TAN OR TAN MINIMALLY SHOULD NOT USE THIS EQUIPMENT</p>
<p>FR: ATTENTION : RAYONNEMENTS ULTRAVIOLETS VEUILLEZ SUIVRE LES INSTRUCTIONS – SANS DISPOSITIF DE PROTECTION DES YEUX; CE PRODUIT PEUT CAUSER DES BRÛLURES OU LÉSIONS OCULAIRES GRAVES – SI VOUS SENTEZ UN MALAISE, EN DISCONTINUER L'USAGE ET CONSULTER UN MEDECIN</p>		<p>DANGER – EVITER SUREXPOSITION. COMME AVEC LA LUMIERE NATURELLE DU SOLEIL, LA SUREXPOSITION PEUT CAUSER LÉSIONS AUX YEUX ET A LA PEAU ET RÉCTION ALLERGIQUES. UNE EXPOSITION RÉPÉTÉE PEUT CAUSER UN VEILLISSEMENT PRÉMATURE DE LA PEAU ET CANCER. MÉDICAMENTS ET COSMÉTIQUE PEUVENT AUGMENTER VOTRE SENSIBILITÉ AUX RAYONS ULTRAVIOLETS. CONSULTER UN MÉDECIN AVANT D'UTILISER LA LAMPE A ULTRAVIOLETS SI VOUS UTILISEZ MÉDICAMENTS, SI VOUS AVEC PROBLÈMES DE PEAU OU SI VOUS CROYEZ VOUS ÊTES PARTICULIÈREMENT SENSIBLES AU RAYONS DE SOLEIL. SI VOUS NE BRONZES PAS AVEC LE SOLEIL C'EST IMPROBABLE QUE VOUS POUVEZ VOUS BRONZER EN UTILISANT CE PRODUIT. ENFANTS, PERSONNES AGÉES, OU PERSONNES À PEAUX TRÈS CLAIRES, QUI DEPUIS SONT TRÈS SENSIBLES À UN COUP DE SOLEIL ET NE BRUNISSENT PAS OU TRÈS PEUX NE DOIVENT PAS UTILISER CET APPAREIL DE BRONZAGE.</p>

Item no. 7S0700 V1

<p>This device is intended for the tanning of an adult person's human skin who is in full command of their physical and mental faculties. Use this device by lying on the centre of the acrylic sheet and close the roof.</p>	<p>Read the instruction booklet before using this device or consult an attendant for information. Read the recommended exposure scheme that is also on this device.</p>	<p>This device is in conformity with performance standards for sunlamp products under No. 21 CFR 1040.20 This Ultrasun Q22 is intended to be used with the following lamps: 52 x Sunfit VRX 160 2L3260S 160-R-123/9,1 4 x Sunfit SE 1000 2H6000 2 x Sunfit SE 250 2H5250 For replacement lamps, eyewear or parts please contact: Tanning Supplies Unlimited 1504 Sadlier Circle South Drive Indianapolis Indiana 46239 U.S.A.</p>
<p>CAUTION : EXPOSURE POSITIONS OTHER THAN SPECIFIED MAY RESULT IN OVEREXPOSURE AND ARE NOT RECOMMENDED !</p> <p>Tanning begins after one or two sessions and increases after one to four (1-4) weeks' worth of sessions following the skin type's recommended schedule. Don't tan more than once in a 48-hour period.</p>	 <p>Do not remove warning or informational labels. CAUTION! Disconnect supply cord before opening unit.</p>	

Item no. 7S0723 V1

**ATTENTION: THIS SUNLAMP
PRODUCT SHOULD NOT BE
USED ON PERSONS UNDER
THE AGE OF 18 YEARS.**


Item no. 7S0730 V1

- **Tanning schedule for the Ultrasun Q22 :**
This sticker is visible for the user:

RECOMMENDED EXPOSURE SCHEDULE		MAXIMUM EXPOSURE TIMES (IN MINUTES)			
CLASS	SKIN TYPES	week 1	week 2	week 3	week 4
I	Sensitive skin Burns easily and severely, and does not tan.	Tanning not advised			
II	Light skin Burns easily and severely, and tans minimally.	4	6	9	12
III	Normal skin Burns moderately, and tans moderately	5	8	10	12
IV	Dark skin Burns minimally, and tans well or above average.	6	10	12	12

Item no. 7S0500 V1

On the outside of the sunbed, close to the power connection (and visible for the installer) the following warnings can be found:




 **ULTRASUN** **Ultrasun International B.V.**
Granaatstraat 6, NL-7554 TR Hengelo, Holland
 Certified in Conformance with 21CFR1040.20

Model : Q22 DWM	Art.Nr: 1V42D315CC762
Serial no: 42210238929	Mfg. M-Y: 02 - 21
Voltage : 3 x 220V +PE	I 60 Hz
Power : 14400 Watt	

Use only with the following approved lamps:

52 x Sunfit VRX 160W Lamps 2L3260S 160-R-123/9,1	UV4
4 x Sunfit SE 1000 2H6000	
2 x Sunfit SE 250 2H5250	

Read Instructions before using this product !

  	<small>This appliance is built according to drawing number:</small> Q22_4_M_U_el_1_TC_RGB <small>Ask your supplier for further information</small>
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Item no. 7S0774 V1

DANGER

- WARNING: HIGH LEAKAGE CURRENT-ENSURE PROPER GROUNDING
- WARNING: GROUNDING CIRCUIT CONTINUITY IS VITAL FOR SAFE OPERATION OF EQUIPMENT. NEVER OPERATE EQUIPMENT WITH GROUNDING CONDUCTOR DISCONNECTED
- CAUTION: CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A GROUND FAULT CIRCUIT INTERRUPTER
 - UV LIGHT SOURCE - KEEP PROTECTIVE BARRIER IN PLACE
 - REPLACE MOVABLE PARTS AFTER SERVICING
 - CAUTION RISK OF PERSONAL INJURY
- ALL RATINGS OF THE DECORATIVE LIGHTING ARE INCLUDED IN THE TOTAL RATING OF THE TANNING DEVICE
- DISCONNECT SUPPLY CORD BEFORE OPENING UNIT.
 - USE IN DRY LOCATIONS ONLY.


Item no. 7S0725 V1

The distance control connection is provided with the following notices:

Attention

Distance control connection for a potential free contact: read the owner's manual for instructions.

This distance control plug is primarily used for the T-max box. So this connection cannot be used for other purposes at the same time. Ask your dealer or installer about the possibilities.

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Item no. 7S0740 V1

The power connection is provided with the following notices:

L1 L2 L3 PE

3 x 220 Volts / 60 Hz

Supply connection to be wired as per NEC/CEC :

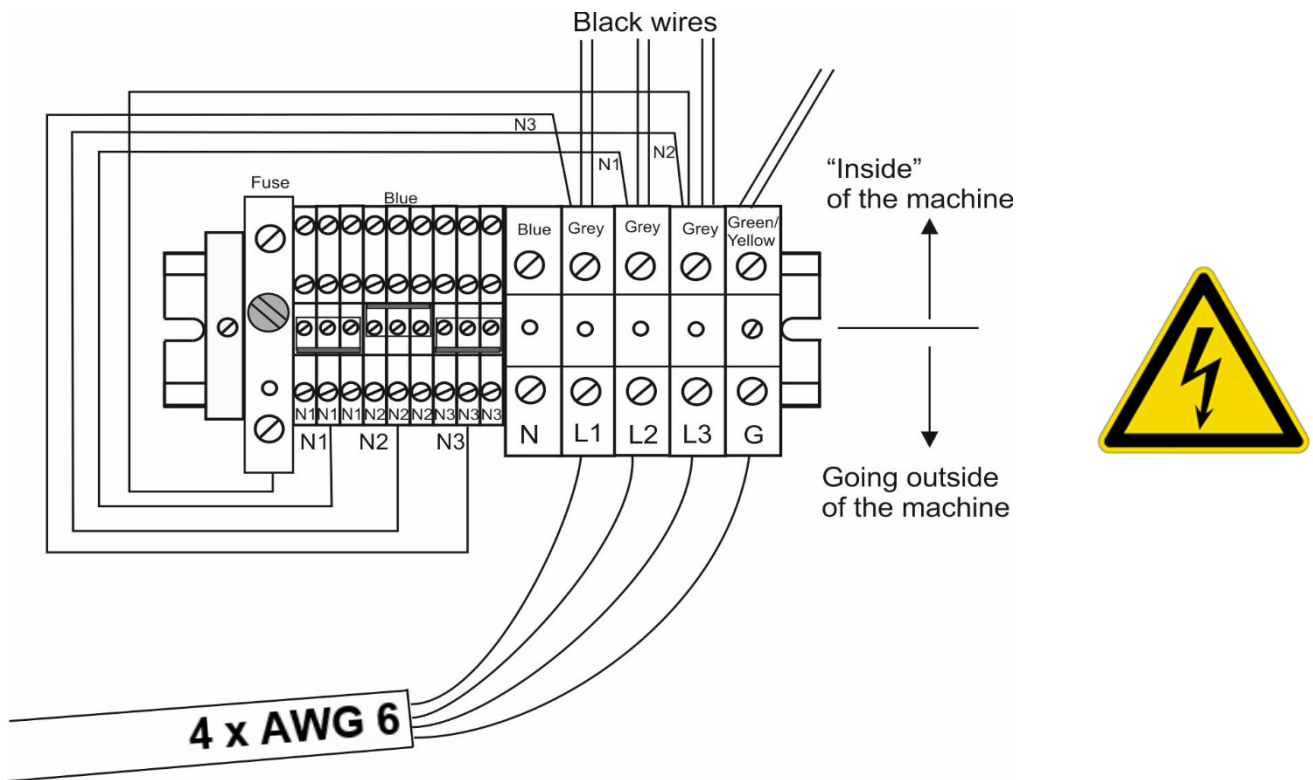
AWG 6

CAUTION : Disconnect power source before working on this device
Item no. 7S0747 V1

Connections

Your sunbed still needs to be equipped with a power supply cable that meets the standards in your region. The minimal wire dimensions (in AWG) are listed at the power connection sign on page 5. The sunbed is constructed to be connected to a voltage of 3 x 220 Volt with a ground connection.

For the Ultrasun Q22 the connection looks like this:



Ultraviolet Light And Its Relationship With Man

THE SUN

The sun is an abundant source of radiant energy; however, only about half this energy reaches the earth's surface as sunlight or visible radiation. The other half of the radiant solar energy contains invisible shorter wavelength components (ultraviolet) and invisible longer wavelength components (infrared).

This radiation consists of electromagnetic waves of various wavelengths. Infrared radiation, for instance, has a greater wavelength than the radiation that makes us tanned. The radiation that makes us tanned we call ultraviolet (UV). Both sorts of radiation are invisible. The visible radiation (light) has wavelengths that lie between the infrared and ultraviolet. Today's technology has given mankind the opportunity of reproducing all these forms of solar radiation, so that we now have artificial light (the light bulb for instance) and also the ultraviolet rays which produce tanning (e.g. sunlamp, solarium).

ULTRAVIOLET

The ultraviolet rays are subdivided into UV-A, UV-B and UV-C. UV-A and UV-B are the parts of the ultraviolet spectrum which produce tanning UV-C is not received on earth because it is filtered out by our atmosphere.

Your ULTRASUN unit and the special made Ultraviolet bulbs remove the UV-C in the sunbeds and sunroofs by using a special quartz glass. A further explanation of these regions is described in the ensuing paragraphs.

SKIN

Like all other organs, the skin is a living part of the body. It is therefore in no sense merely a form of packing for the muscle system, the tissue, the veins, and the nerves. On the contrary, through the medium of the delicate and sensitive nerve cells situated in the skin, it conveys to the regulating center (the cortex of the brain) news of all stimuli affecting the body from the outside. It may therefore be compared with an extremely efficient radar screen of a large area that receives and registers wavelengths of all types, such as light and heat.

The horny layer of our skin, which is about 1/100 inch thick, consists of scaly cells without nuclei. It transmits only about twenty percent of the ultraviolet rays with wavelengths less than 300 nm. Of the rays in the range between 300 and 390 nm, on the other hand, up to eighty percent get through. The entire outer skin (the epidermis), consisting of the horny layer (stratum corneum), the clear layer (stratum luteum) and the reproductive layer (stratum germinativum), causes a twenty percent weakening of the rays. Ultraviolet rays undergo the greatest absorption in the papillary layer, the layer in which the nerves end.

Ultraviolet rays of the ordinary wavelengths do not penetrate the skin beyond this papillary layer. This means that the rays do not get further than one fiftieth of an inch through the one-twelfth-inch thickness of the human skin. The slight penetration is explained by the fact that when the ultraviolet rays reach the papillary layer of the skin, they immediately become active participants in chemical processes and are thereby destroyed. The natural consequence of a sunbathe in ultraviolet light is the reddening of the skin.

In harmless cases, the reddening of the skin is followed by a brown tan that lasts for varying lengths of time. This coloration is caused by the pigment granules that, under the influence of the ultraviolet radiation, form between the reproductive and papillary layers of the skin. When, after eight to ten days, the coloration of the skin has reached a point at which the blood vessels can be dilated no further, the pigment granules inside the skin rise to the top and fade. This restores the pallor of the skin, and the natural color is gone. Pigmentation of the skin is mainly caused by ultraviolet rays with a

wavelength of less than 310 nm. A tan may be produced without prior reddening of the skin if the skin is exposed only to ultraviolet rays with a wavelength between 310 and 390 nm. (This is what occurs in your Ultrasun unit with UV-A lamps). A tan created by these long-wave ultraviolet rays is more lasting and finer in color.

People are not all uniformly sensitive to ultraviolet rays. As a rule, a blond person shows a stronger reaction than a person with black hair; but even among fair people there are variations. The very fair and redheads are more than twice as sensitive as those with the darker shades of blond hair. Age too, and the general physical conditions plays an equally decisive role.

EXPOSURE

"Burn in": The specially made ultraviolet fluorescent lamps in your Ultrasun unit have to be "burnt in". This process requires about 40 - 50 hours. The radiation of the lamps is about 120% of the nominal power during this period. We advise you to reduce the exposure time during this period by about 20%.

UV-A Longwave Ultraviolet Light and Its Application

The radiation produced in the area of 315 to 400 nanometers (and according to some researchers, part of the visible light rays too) is responsible for the direct tanning which appears soon after irradiation.

UV-B Middlewave Ultraviolet Light and Its Application

The radiation produced in the area of 280 and 315 nanometers is responsible for the direct tanning. The UV-B radiation produces in the skin a substance known as melanin. This melanin moves to the cells on the surface of the skin and their changes into pigment.

The fluorescent lamps used in your ULTRASUN unit contains a very small percentage of UV-B radiation which triggers this process. The discoloration of the pigment present in the cells on the surface of the skin is accomplished by adding UV-A.

A disadvantage of UV-B radiation is that it is very powerful and can irritate the eyes and sunburn (erythema) the skin. Caution must be used when the body is exposed to this radiation.

Protective sunglasses are a necessity when using UV-B.

UV-C Shortwave Ultraviolet Light and Its Application

The wavelengths in the ultraviolet region below 280 nanometers are known as UV-C. UV-C lamps are generally known as germicidal lamps. Germicidal ultraviolet is primarily intended for the destruction of bacteria and other micro-organisms in the air or on exposed surfaces.

The air indoors may contain countless bacterial and mold spores. These are usually the source of spoilage of perishable products and can cause disease in persons or animals. The germicidal rays emitted by the lamps destroy micro-organisms so as to maintain a sanitary storage or processing area for products and disinfected environment for persons.

MEDICATION

Certain drugs do not mix well with ultraviolet light, from either its natural, or artificial sources. The U.S. Department of Health and Human Services has published a booklet entitled Medications That Increase Sensitivity to Light; A 1990 Listing prepared by Jerome I. Levine, M.S., R.Ph. The booklet is HHS Publication FDA 91-8280 and is available from the U.S. Government Printing Office. Refer to this booklet or your health practitioner if you are taking any medications.

Dr. Richard Childers, a dermatologist at the University of Florida, and Dr. Edward Emmett of John Hopkins University compiled a list of drugs, foods, and other substances that could make your skin super-sensitive to sunlight. This list is presented below:

- Diuretics (which help prevent water retention), prescribed for high blood pressure (for example, Hydrodiuril).
- Diabetes drugs-Orinase and Diabinase.
- Urinary tract infection treatments with phenothiazines.
- Tranquilizers, such as Thorazine.

- The acne treatment Retin-A.
- Antihistamines--Phenergan and Benadryl--particularly when they are used on the skin in ointment form.
- Antibiotics--Declomycin, Aureozycin, and Griseofulvin, which is used in ringworm treatment.
- Coal tar treatment for psoriasis or chronic eczema.
- Bacterial infection treatments using sulfanilamide.
- Compounds known as furocoumarins or psoralens, which sensitize skin to sunlight whether put on the skin or taken orally. They are prescribed for vitiligo (loss of skin pigmentation) and psoriasis.
- Birth control pills. The hormones they contain can react with sunlight and in some cases cause brown patches on the skin.
- Perfumes and colognes containing furocoumarins, compounds from natural products such as plants and fruits. Their natural oils can sensitize the skin to sunlight.
- Food and fruits that contain photosensitizing agents: celery, carrots, limes, coriander, parsley, fennel, dill, buttercup, mustard, and figs.

Technical Information

SUNBED TYPE	Ultrasun Q22
UV-Type (conform EN 60335-2-27)	4
Base Lamps	30 x Sunfit VRX 160W
Equivalency code	160-R-123/9,1
Article number	2L3260S
Top Lamps	22 x Sunfit VRX 160W
Equivalency code	160-R-123/9,1
Article number	2L3260S
Facial Lamps	4 x Sunfit SE 1000
Article number	2H6000
Shoulder Tanner Lamps	4 x Sunfit SE 250
Article number	2H5250
Fuse*	3 x 60 A (slow)
Power Supply	3 x 220V + PE - 60 Hz
Power circa	14400 Watt
Weight circa	560 Kg

In order to keep your Ultrasun sunbed in compliance with the standard, you have to make sure to change lamps, components and accessories with original lamps, components and accessories only. Otherwise guarantee will be taken off as well as any responsibility and any liability.

To obtain repairs or replacement components and accessories which are compatible with this product, including compatible protective eyewear, ultraviolet lamps, timers, reflectors and filters, which will, if installed or used as instructed, result in continued compliance with the standard, contact:

Tanning Supplies Unlimited, 1504 Sadlier Circle South Drive, Indianapolis, Indiana 46239 U.S.A.

DISCLAIMER

Ultrasun pays close attention to the quality of its products. This also applies to the information in this user manual. Ultrasun reserves the right to change the content of this manual at any time. Though Ultrasun strives to always display the correct texts and images in her manuals, errors can occur. We cannot be held responsible for any errors in writing or printing. We kindly ask you to report any discrepancy using the contact details at the back of this user manual.

Thank you.

Ultrasun Limited Warranty

Ultrasun warrants its products to be free from defects in materials and workmanship under intended normal use as described in the unit's Operation and Instruction Manual, for a period of one (1) year from date of sale.

This Limited Warranty applies only to the original purchaser of the equipment through Ultrasun or its authorized dealer of distributor, and is not transferable.

Ultrasun's obligations under this warranty are limited to repair or replacement of any defective part without charge for that part to the original purchaser, with the following exceptions:

- * Only parts obtained through Ultrasun, its authorized dealers or distributors may be used. Transportation costs for parts shipped to the consumer and the return of defective parts to Ultrasun are not included.
- * Labor will be furnished without charge for ninety (90) days from date of purchase only. All labor and related charges must be authorized by Ultrasun prior to start of repairs, and must coincide with Ultrasun's established rates and time allotment policy.
- * Acrylics, filters, lamps and facial bulbs are excluded from guarantee.

It is imperative that the original customer completes and returns the enclosed warranty card within 10 days after purchase to insure valid registration and coverage for potential claims.

If the warranty card is not registered, proof of purchase from Ultrasun or its authorized dealer or distributor will be required prior to any consideration on warranty claims. This could result in service delays.

This warranty is extended to the individual or legal entity, whose name appears on the warranty registration card filed with Ultrasun, or whose name appears on the original sale document and may not be transferred to any other individual or legal entity.

This warranty does not apply to any failure of the product, or any parts of the product due to alterations, modifications, misuse, abuse, accident, improper maintenance, improper installation or if the serial number on the product has been removed, altered, or defaced. Adequate packaging must be used for returned goods to prevent freight damage.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness. No person, firm or corporation is authorized to obligate Ultrasun for any liability in connection with the sale or use of these goods.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

PLEASE PROVIDE THE REQUESTED WARRANTY INFORMATION BELOW AND MAIL TO:

Tanning Supplies Unlimited, 1504 Sadlier Circle South Drive, Indianapolis, Indiana 46239 U.S.A.
E-mail: info@tanningsuppliesunlimited.com

Owners Name :

Salon Name :

Street :

City, State & Zip :

Telephone :

Purchased From :

Date of Purchase :

Model Number :

Serial Number :

Comments :



Manual
Tanning Device
IQ Touch Control
& Scheme Sheet
are supplied
separately

Ultrasun Identification



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7554 TR Hengelo
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