

EFFORTLESS SUNSHINE

E7



MANUAL



WARNING : PLEASE READ THIS CAREFULLY

- Read the instructions before using this product or consult the attendant for further information.
- The power supply must be fused with a time-lag fuse.
- The supply voltage (V) and frequency (Hz) must agree with the information given on the machine type plate. A copy is on the backside of this manual.
- Before servicing this equipment or changing lamps, remove the power supply cord or isolate from main supply.
- This equipment must have an earth connection.
- Never use this machine when the timer is faulty.
- Do not use this machine when the airhose is not connected.
- This device is intended to be used by one person at a time!
- Make sure there is at least 10 cm / 5 inches space between the machine and the walls/ceilings to ensure proper ventilation.
- Never use this device, if one or all of the acrylics are broken or removed. Check this for each tanning session.
- This machine may not be operated if the temperature inside the tanning cabin is 30° C / 86° F or higher.
- Always use the protective sunglasses provided!
- In order to keep your Ultrasun machine 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.
- Water and electricity are a dangerous combination. Do not place your Ultrasun in a humid room or near water facilities like a shower or swimming pool.
- This machine is equipped with an automatic security system against overheating. In case there is insufficient ventilation (because the ventilating shafts of the machine are covered or the ventilation in the room does not function optimally) the appliance will automatically switch itself off. When the machine has cooled down, the machine will automatically switch itself on again. However, you should always examine what the cause was that the machine switched off!
- The appliance is not to be used by children or people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Children should be supervised to ensure that they do not play with the appliance.
- Read also the tanning rules on page 17 and 18!



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You have just chosen for a product from the Ultrasun Professional range.

You have made an excellent choice. By this purchase you have chosen for a product which has been carefully manufactured from high quality parts which have been tested completely and have been checked fully after manufacturing. We advise you to carefully read through this user manual so you can use the sunbed safely and with many years of pleasure.

During the development of our professional sunbeds, the specific desires of our customers have been taken into account. If you still have questions about or suggestions for our sunbeds, please do not hesitate to contact us.

Please check if the serial number plate at the back side of this user manual resembles the serial number plate at the back of the sunbed. Ultrasun spends a lot of time and attention on the development and improvement of the delivered products. Ultrasun holds the right to make changes without informing you previously.

We hope you enjoy your purchased sunbed.

The Ultrasun team.

Explaining The Icons



Remove the plug from the wall socket when working on the sunbed. Make sure that all power supplies are removed.



Attention: dangerous electrical voltage.



Parts in this manual marked with this sign must be handled by technical personnel. Technicians who have to work on this device must be electrotechnical educated and must observe all the safety rules.



At the end of the expected service life of this device, all parts can be recycled and must not be processed as general waste. Responsible disposal of waste products or associated parts will not cause any risk or damage.



Attention:

Warning for dangerous situations, hazards or injury.
Follow instructions, read manual or ask competent person for information..



Attention:

Ultraviolet radiation: always wear eye protection when exposed to UV light and read the corresponding warning texts.

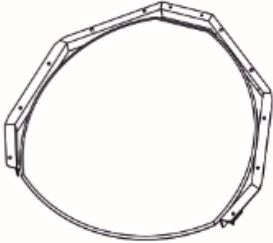
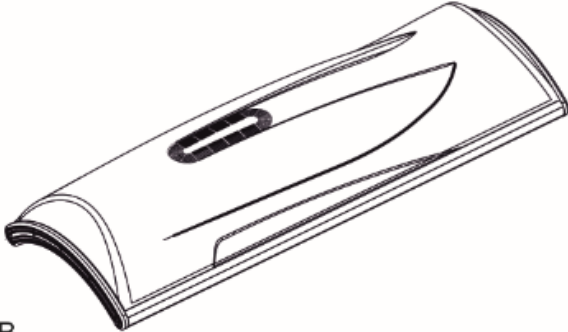




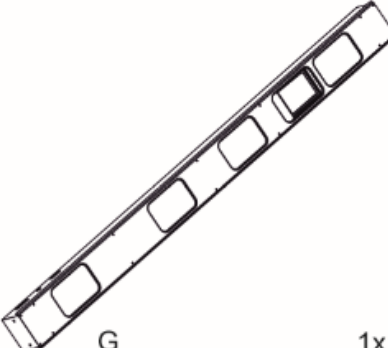



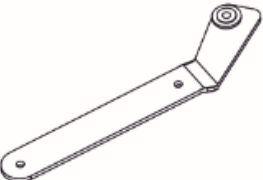
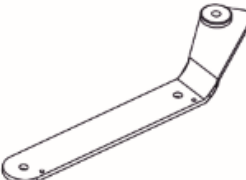




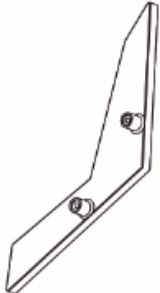




This user manual consists of all the possible options which you can have on your Ultrasun E7. If these options are not relevant to your sunbed, then you can skip the chapters indicated as “option”. The user manual of your E7 consists of this user manual and a separate user manual for the IQ Touch Control. The electrical schedule of this sunbed is supplied separately.

Always choose the user manual that has the grey sunbed identification sticker on the backside. And always keep this user manual close to the sunbed.

- Check if the packaging is in the original state and report possible damages directly to your transporter. Especially look for possible dents, cracks or water damage on the outside of the packaging.
- Get all separate parts out of the packaging. Check directly if all parts are present and undamaged.
- May one of these control checks not suffice these requirements, report this as soon as possible to your Ultrasun distributor.

Parts Of The E7

To guarantee safe and easy transportation, the sunbed is packed in several separate parts as shown in the drawing below. These parts can be assembled easily by two people at the place where you want to locate the sunbed.

| | | | | | | | | | | | |
|--|----|--|----|--|-----|--|----|--|----|--|----|
|  <p>A</p> | 1x |  <p>B</p> | 3x |  <p>C</p> | 18x |  <p>D</p> | 9x | | | | |
|  <p>E</p> | 1x |  <p>F</p> | 6x |  <p>G</p> | 1x |  <p>G'</p> | 1x |  <p>H</p> | 4x | | |
|  <p>I</p> | 2x |  <p>J</p> | 1x |  <p>K</p> | 1x |  <p>L</p> | 4x |  <p>M</p> | 1x |  <p>N</p> | 1x |
|  <p>O</p> | 1x |  <p>P</p> | 1x |  <p>Q</p> | 2x |  <p>R</p> | 2x |  <p>S</p> | 2x |  <p>T</p> | 2x |

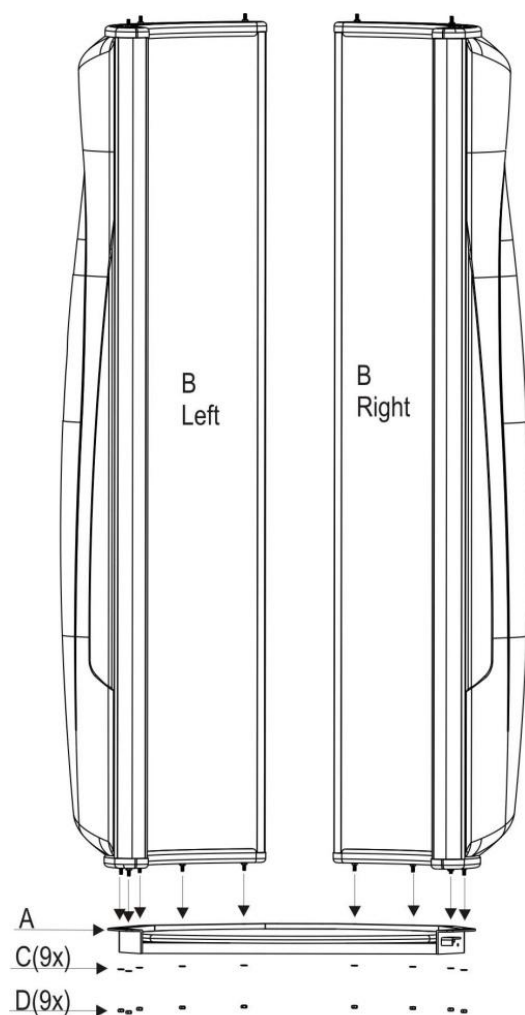
¹ optional

On the next pages the assembling of the E7 is explained. The chapter "Additional assembling instructions E7" gives several extra instructions.

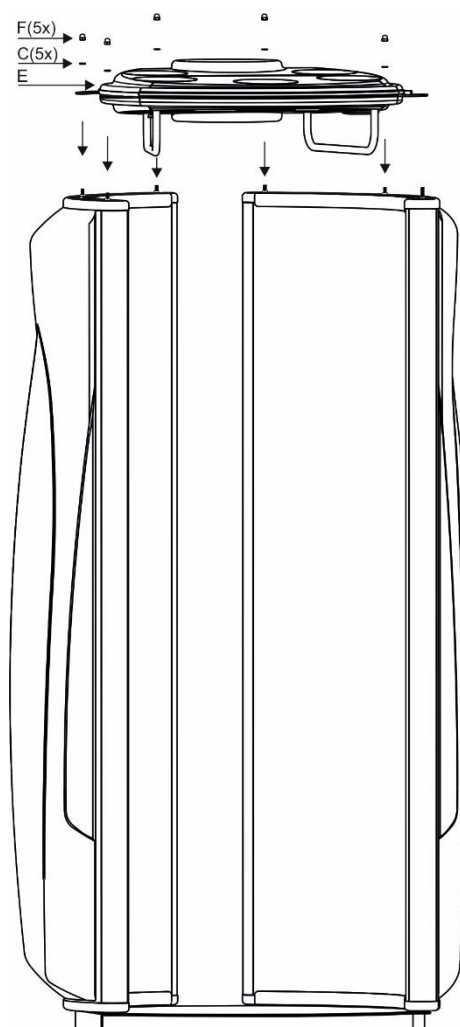
Assembling The E7



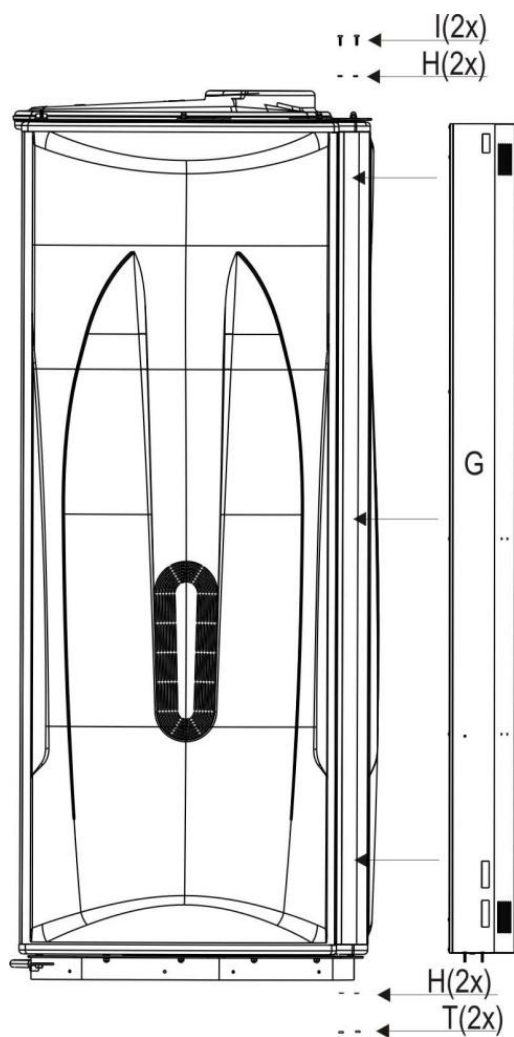
NOTE: Always disconnect the power supply before disassembling and during assembling.



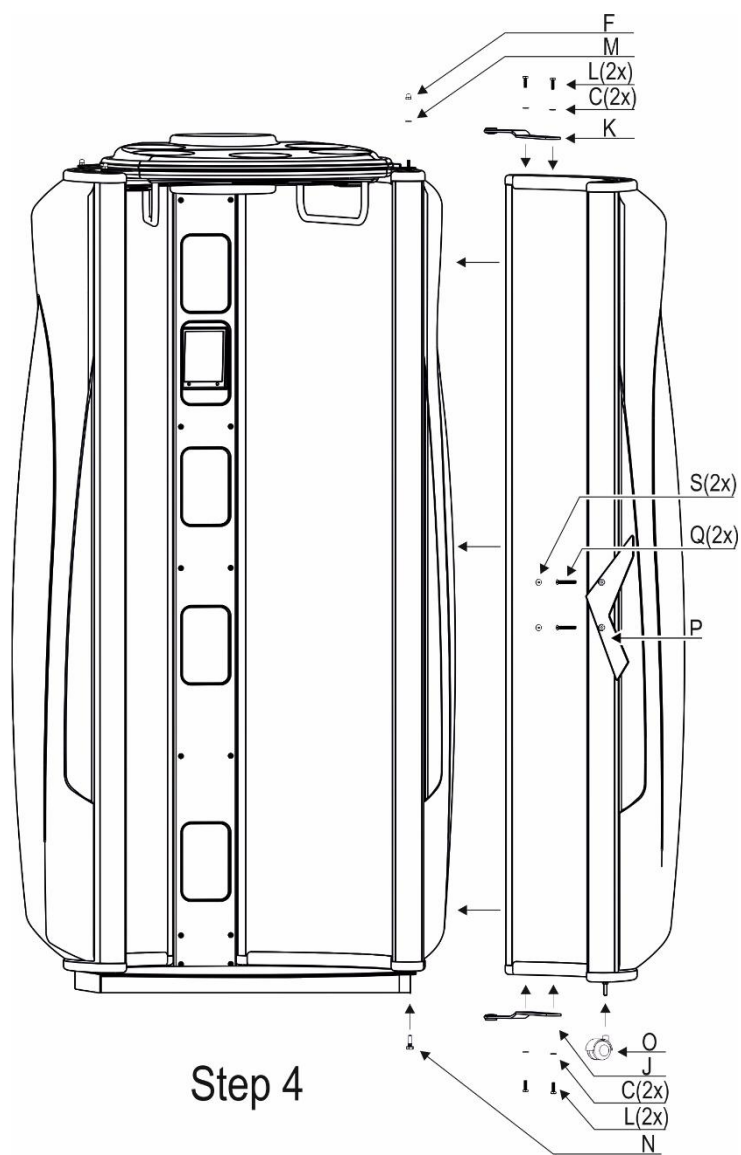
Step 1



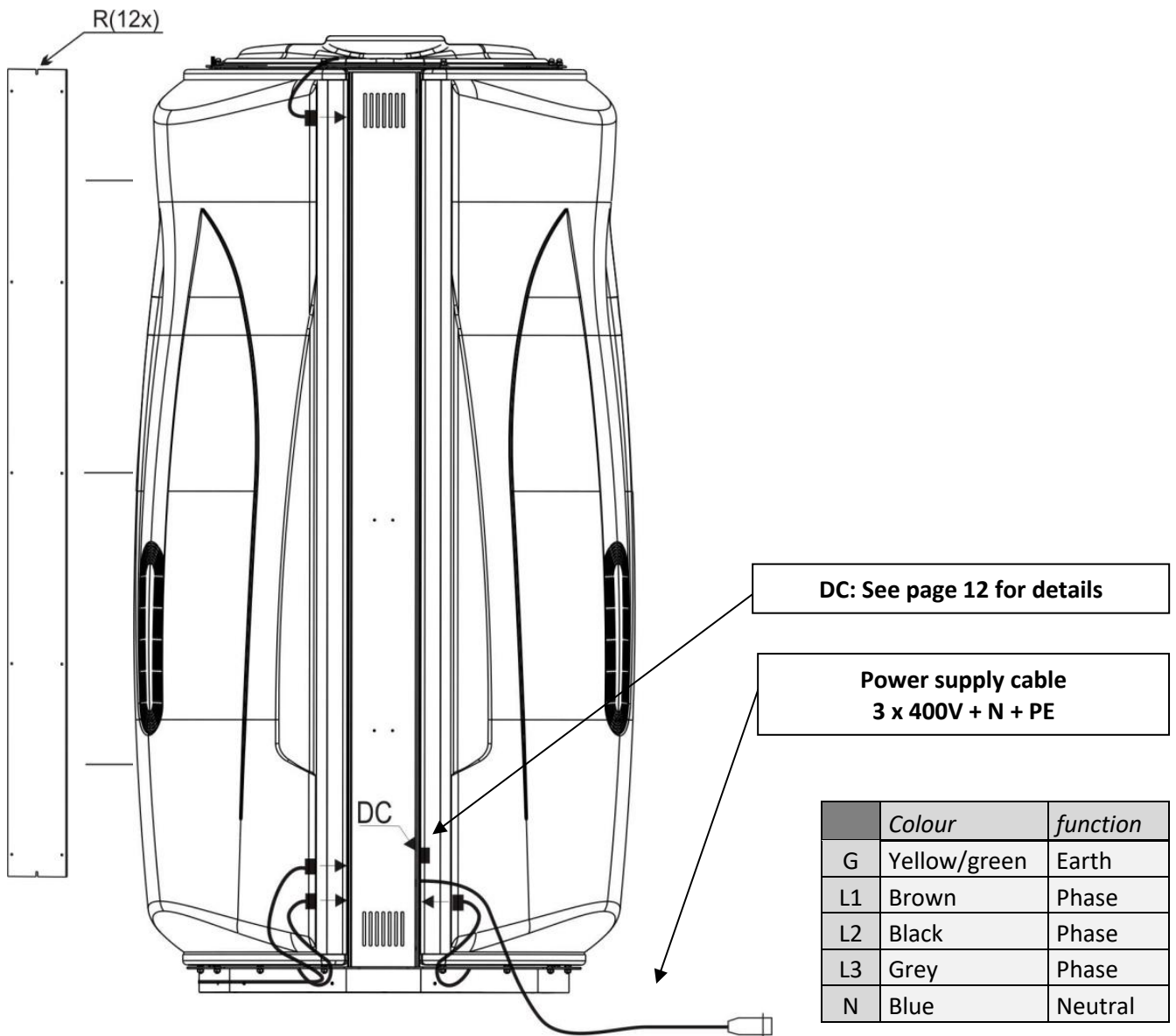
Step 2



Step 3



Step 4



Step 5

Additional Assembling Instructions E7



Please put all the parts together as is shown in the previous drawings. At first assemble the base plate like in the drawing, may this already be pre-assembled you can skip this step. Slightly fasten all nuts and bolts by hand. After all parts are assembled you can fasten them properly. Follow the following steps:

STEP 1: Place the panels (B) on the bottom frame (A) by dropping the wire tacks in the similar holes. Fix the nuts (D) with the washers (C) on top of the wire tacks.

Attention: The parts do not stand up straight by themselves. Make sure that you get help for assembling.



STEP 2: Assemble the topcooler (E) with the cap nuts (F) and the washers (C).

STEP 3: Place the pillar (G) between the brackets of the topcooler (E) and the bottom frame (A). The wire tacks on the bottom side fall in the similar holes and on the top side the bolts (I) and the washers (H) are fixed. Fasten the nuts (T) and the washers (H) on the bottom side of the pillar.

STEP 4: Assemble the brackets (J and K) at the upper and bottom side (with the bolts (L) and the washers (C)) of the door panel (B door) and fasten the wheel (O) to the pin, which is already preassembled to the door panel. Now hang the door part in the pin at the topcooler (E) and fasten the upper side with the cap nut (F) and washer (M), and at the bottom with the special bolt (N). Fasten the handle (P) with the bolts M6x45 (Q) and press the caps (S) on it.

STEP 5: Connect all plugs of the panels to the sockets in the pillar. The plugs can be connected randomly. Always make sure that enough fresh air comes into the room. Mount the cover plate of the cooling pillar with the supported screws R.

Tighten all nuts and screws!

After all actions mentioned above have been finished, the power supply can be (re)connected. Now the sunbed is ready for use. Read the user manual of the timer for operation. If the sunbed is not used for a longer period of time, then we recommend that you remove the power supply.



Additional Cooling Fan

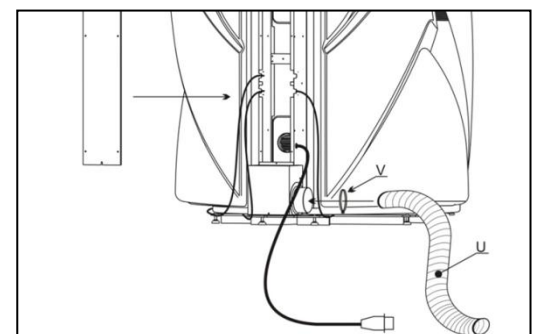
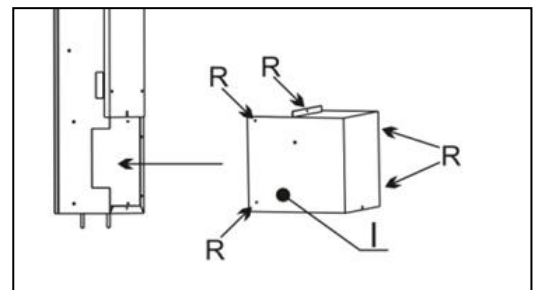


- Before you place the pillar between the parts, attach the housing of the fan (I) to the pillar with the screws (R) and connect the plugs from both sides.

- Now it is possible to attach the pillar as described in the above assembling description.

- Attach the backplate to the pillar.

- Connect the air-hose (U) with the clamps (V) to the housing of the fan and on the other side to a free air output.



RGB LED CONTROLLER WITH IR DISTANCE CONTROL

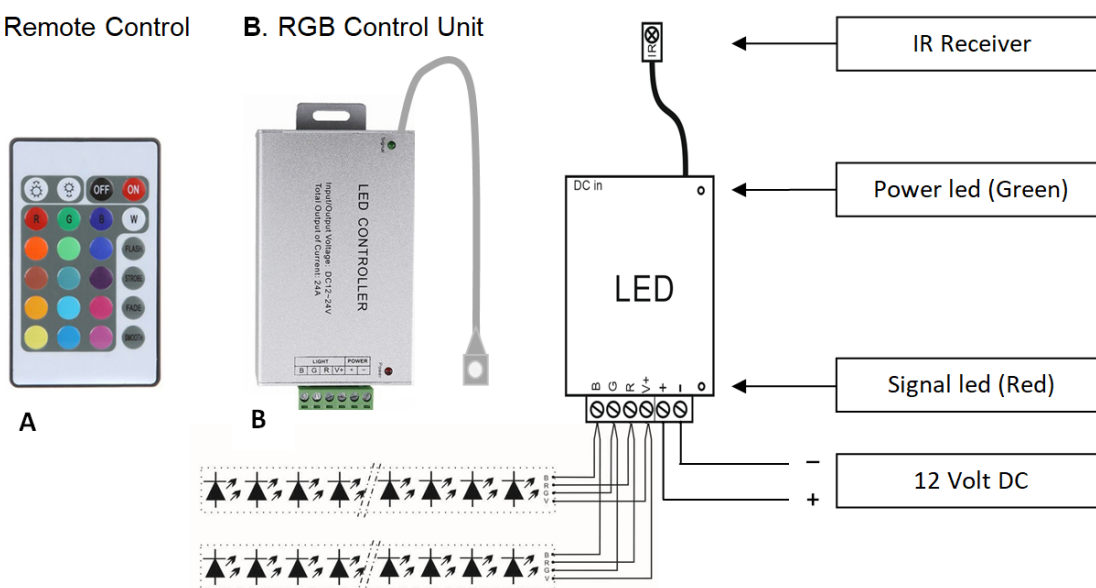


Your tanning device is equipped with a RGB led controller and a remote control with which you can control the colour settings of the Rainbow-led strip. With the led controller (Fig.17:A) you can set the colour changing, colour jumping, etc. and the colour can be set to static at any time. This system is applicable for 12V DC. The maximum current per color may not exceed 4 Amp. The electrical scheme for the led controller can be found in Fig.18. The remote control has 24 buttons, each having its own functions:

The RGB controller consists of:

A. IR Remote Control

B. RGB Control Unit



Position and function of buttons on the IR remote:

| | | | |
|--------------------------|------------------------------|------------------|----------------------------|
| brightness up / speed up | brightness down / speed down | off | on |
| static red | static green | static blue | static white |
| static orange | static pea green | static dark blue | 7 colors jump |
| static dark yellow | static cyan | static magenta | white fade in/out (strobe) |
| static yellow | static light blue | static pink | 7 colors change |
| static straw yellow | static sky blue | static purple | 3 colors jump |

The 16 “static” buttons give the opportunity for an immediate color selection, the other buttons have the following functions:

- **Brightness up/speed up and Brightness down / speed down** : if a static color is selected, the brightness can be changed to more or less bright. If another button is selected, the speed can be changed up or down.
- **On and Off button** : switches your RGB led controller on or off.
- **7 color jump (FLASH)**: gives the opportunity to jump from color to color.
- **White fade in/out (STROBE)** : gives a strobe effect in white color.
- **7 color change (FADE)**: gives the opportunity to run automatically through the color spectrum.
- **3 color jump (SMOOTH)**: jumps through the three basic colors red, blue and green.

Be aware that the infrared transmitter should be directed to the receiver. Your device has this sticker to localize the IR receiver.

Point your infrared (IR) remote control for the RGB LED system here.

ULTRASUN
RECHARGE YOURSELF

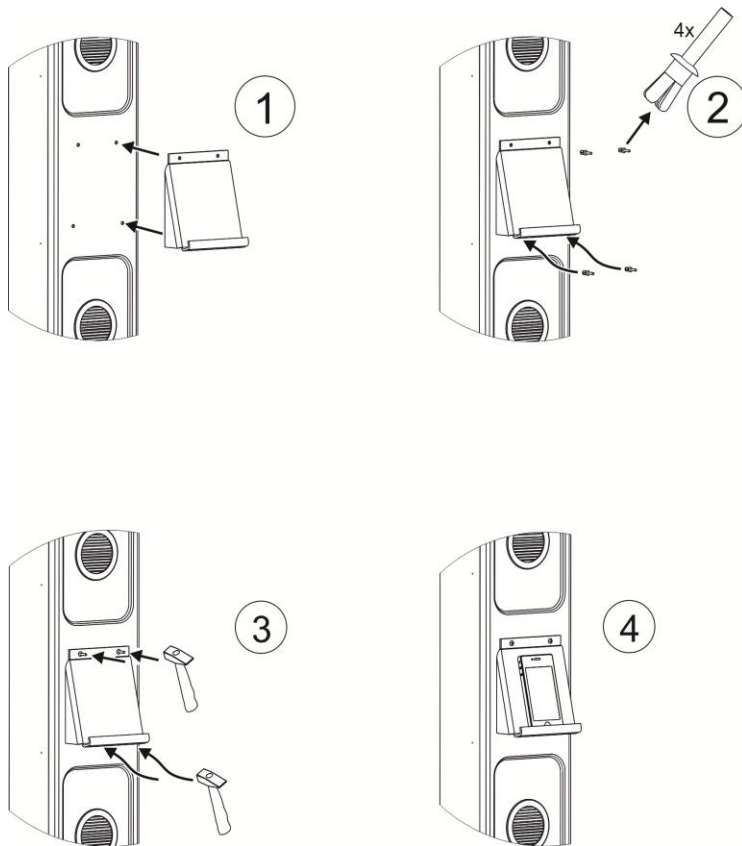
DR. MULLER
FOREVER YOUNG

Item no. US-18-081 V1



Installing The MP3/iPod/Tablet Holder* (Option)

The holder for your MP3 player, iPod or tablet should be installed as shown on the drawings: position the holder 35 mm (1) under the edge of the box where the audio jack comes out and make sure the holes and that the holder of the faceplate match (2). Press the rivets in the holes and put the pin in (3) with a hammer. Your MP3/iPod holder is now ready for use (4).



Audioconnections* (Option)

When your E7 is equipped with the “music” option, an extra bass box is provided which can be attached to the backside of the cooling pillar. The cooling pillar is now equipped with an MP3 or iPod connection and holder (See previous chapter).

All connections are connected in the cooling pillar like in Fig.8.

A piece of spiral hose is supplied to bundle the cables that are visible on the outside of the cooling pillar.

At the side of the pillar compartment the connections for the audio system are located (External audio input). The drawing below shows the connections and operating elements of the bass speaker.

NOTE

It is advisable to adjust the Volume and the Bass control to halfway.

Please note that if you adjust the Volume and the Bass control to a higher level there is a possibility that the sound will be distorted, in longer terms this can damage your loudspeakers.

ATTENTION

Loud music can result in hearing problems!

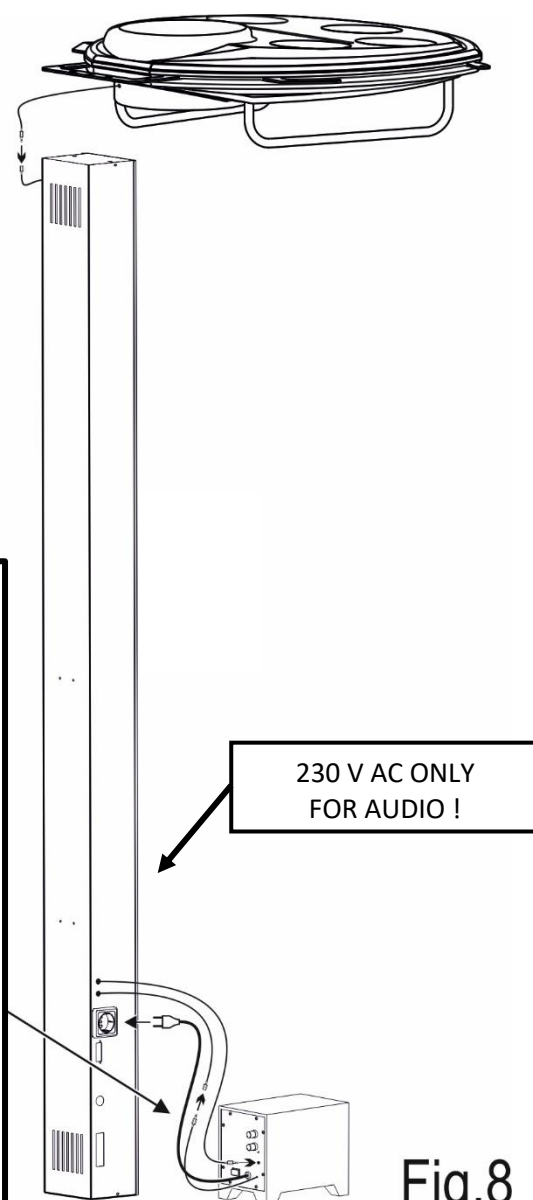
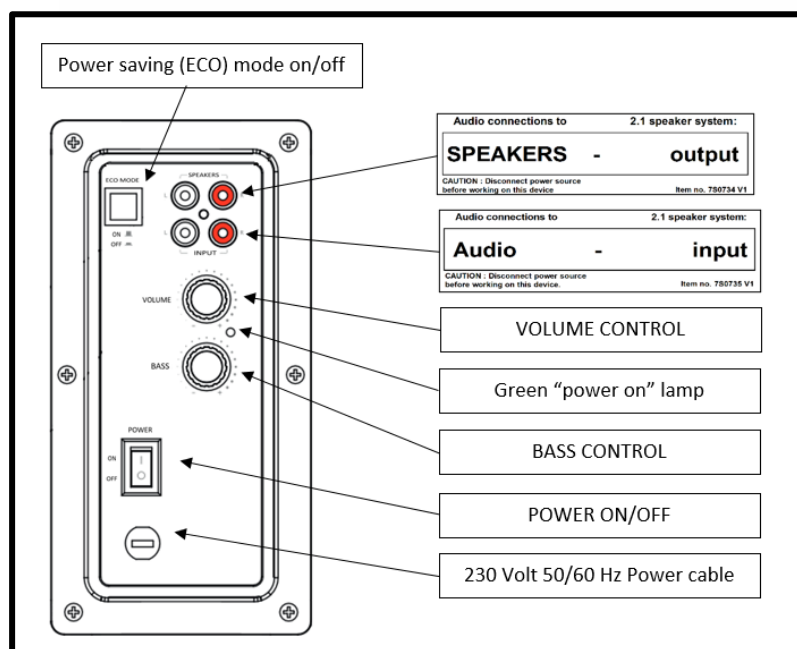


Fig.8

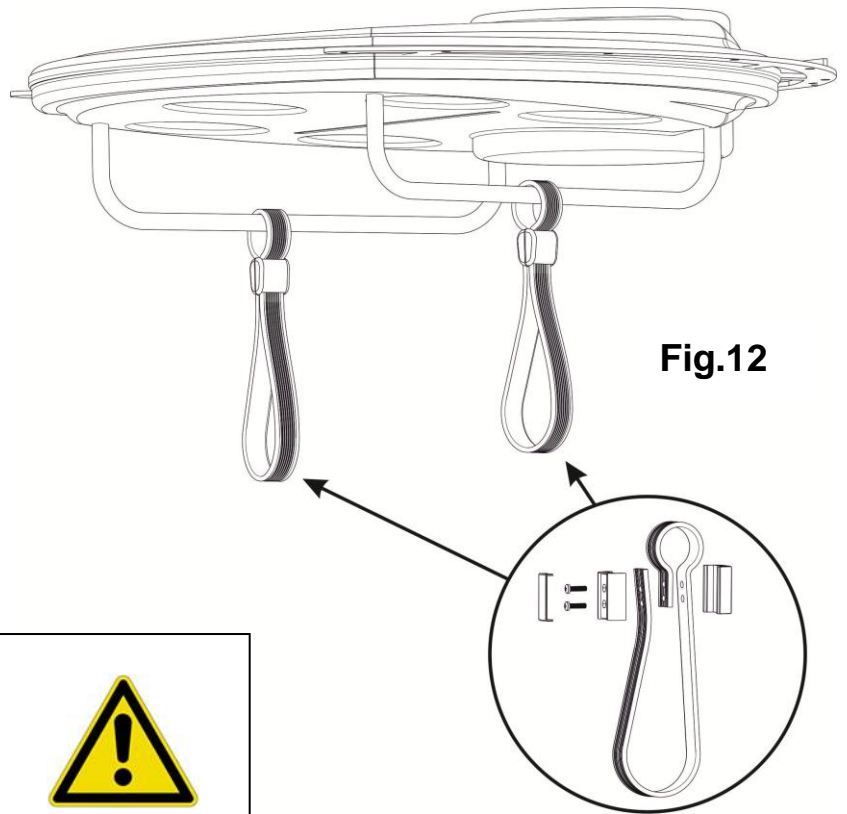
Assembling The Changing Cubicle To The E7* (Option)

Your Ultrason E7 can be combined with a changing cubicle. You can order your changing cubicle from your Ultrason dealer. For assembling instructions and use of the changing cubicle we refer to the specific user manual of the changing cubicle.

Connecting The Strap On The Topcooler* (Option)

A strap can be optional offered and connected to the topcooler. Smaller people whom normally cannot reach the metal handle, now can hold on to this strap to get a better tan.

The strap can be mounted or replaced by taking the screw out of the strap holder.



Use the strap for which it is intended, do not charge it heavier than 25 kilograms.



TIP:

If the strap is not being used, it can be folded between the plastic cap and the metal handle. This in order to prevent longer people walking against it.

Use this machine only by standing-up in the middle of the sun plateau. Do not overload the suspended weight of the suspension handles on the topcooler of this machine. The overload capacity is 30 Kg.

Connecting the Remote Control Plug

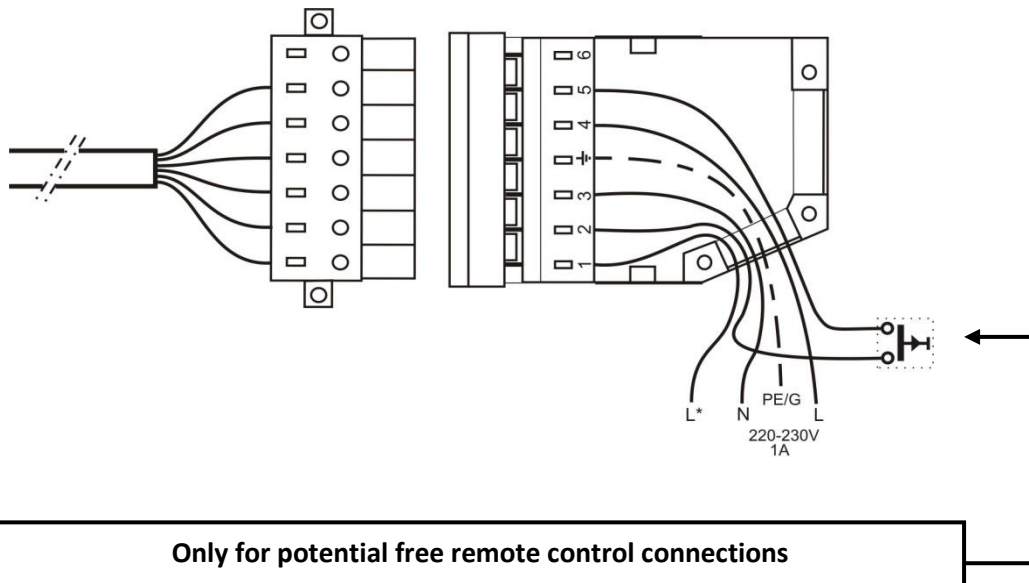


Fig.13

At the backside of the solarium, the connector for the remote control is located. The connections resemble the figure above.

Note: The only purpose of this connection is for controlling the solarium by means of a coinbox or a remote control with a potential free switch or contact.

The counterproductive plug can be connected to your control box, timer or coin box.

An incorrect connection of the connector can lead to damage to the parts of the sunbed.

In case you would like to make use of a potential free switch or contact, the parameter P021 of the SolarControl timer needs to be changed to P021:01 or P021:02 depending upon the application. For this, please read the user manual of the particular remote control you want to use. The 220-230V connection is only intended as an exit for connecting the electronics in a remote control (for example a Paytronic coin box) with a maximal current consumption of 1,0 ampere.

The exit L* delivers 230V in case the machine is turned on. This connection can be used by applications like feedback signal or occupied signal. Always note that during assembly the plug is connected in accordance to the manufacturing method (the smooth and ribbed side must be in accordance with each other).

In case larger distances must be bridged or in case disturbances in the pipes arise, the possibility exists to place an Opto-box (Ultrasun article number 3T0480) between the remote control pipes.

Troubleshooting



- When your sunbed or a part of it does not function, please check:
 - the fuses/differential switch of your main supply;
 - the connection to the main power supply and fuse;
 - the thermal switches (temperature safety);
 - the (possible) plug connections between different parts (for example in the pillar; see STEP 5)
- If one of the lamps does not function anymore, change it with the lamp next to it. If it still does not work, change the ballast;
- Switch off the power supply to the machine in case of:
 - working inside the sunbed;
 - fans are out of order;
 - any doubt of the nature of the failure;
- Please contact your technical servicer in case the problem cannot be solved with the above mentioned possibilities.



Changing Lamps

When the effective life of your lamps is over, or when there is an obvious decrease in the tanning results, it is necessary to change the lamps.

Attention: when changing lamps, first remove the power supply, then remove the acrylic.



Remove the acrylic sheet by loosening the plastic strips on both sides of the acrylic. Carefully lift the acrylic and take out the endcap at the bottom, and then drop it and disassemble on the top side (read the chapter "Removing the acrylics"). Then the acrylic can be cleaned and the lamps can be replaced. Re-assemble in reverse order.

Attention: Make sure that the new lamps are of the same type as the previous ones.

In order to keep your Ultrasun machine 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.



Many parts can be recycled, so keep them separate and do not dispose of them.



Maintenance

After 50 hours or at least after one month and then every 500 hours or 6 months:

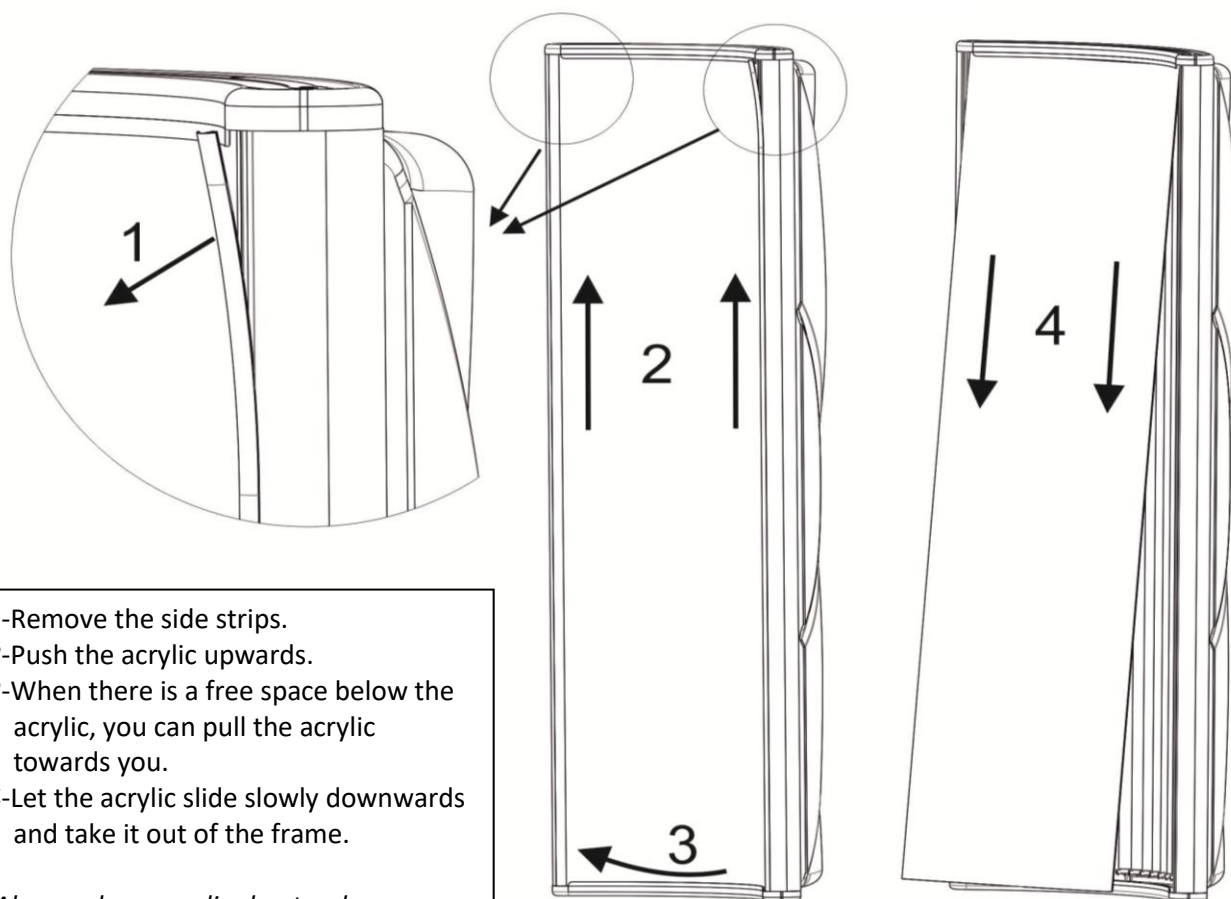
- Visual inspection of all parts inside the Ultrasun E7;
- Remove dust and fluffs inside;
- Check the working of the whole machine;
- Check screws and nuts (if loose tighten);

Always:

- Pay attention to strange noises in the sunbed;
- Clean the acrylics after every tanning session;
- Consult an authorised service agent in the event your Ultrasun machine has a failure;

Removing The Acrylics

Fig.13



- 1-Remove the side strips.
2-Push the acrylic upwards.
3-When there is a free space below the acrylic, you can pull the acrylic towards you.
4-Let the acrylic slide slowly downwards and take it out of the frame.

Always clean acrylic sheets when you

Exposure Schedule And Instructions E7



E7 for UV4 :

| RECOMMENDED EXPOSURE SCHEDULE | | MAXIMUM EXPOSURE TIMES (IN MINUTES) | | | |
|-------------------------------|--|-------------------------------------|--------|--------|--------|
| CLASS | SKIN TYPE | 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 |

Allow at least 48 hours between all exposures, tan maintenance: 1-2 times weekly
MAXIMUM EXPOSURE TIME: 12 minutes

E7 for UV3/0.3 :

| 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. | 6 | 10 | 15 | 20 |
| III | Normal skin Burns moderately, and tans moderately. | 7 | 12 | 16 | 20 |
| IV | Dark skin Burns minimally, and tans well or above average. | 8 | 13 | 17 | 20 |

Allow at least 48 hours between all exposures, tan maintenance: 1-2 times weekly
MAXIMUM EXPOSURE TIME: 15 minutes

Notice the following tanning rules for proper and safe use of your tanning device :

- The exposure time for first session must not be shorter than 1 minute.
- Follow the recommendations concerning exposure duration and exposure intervals
- Protect your eyes from visible and infrared radiation, take adequate precautions ! Always use the provided sunglasses!
- Do not sunbath and use the machine on the same day.

- This device is intended to be used by one person at a time!
- Lie on the sunlamp bed and lower the top section to its internally regulated stop point to attain this position. Any other position may result in overexposure.
- Always use the protective sunglasses provided.
- Remove cosmetics well in advance of exposure and do not apply any sunscreens.
- Do not undergo exposure when taking medicines or using cosmetics, which increase sensitivity to ultraviolet radiation. If in doubt, take medical advice.
- Follow the recommendations concerning exposure duration and exposure intervals.
- Seek medical advice if persistent lumps, sores or pigmented moles develop on the skin.
- Ultraviolet radiation from the sun or UV-machines can cause injury to skin or eyes. These biological effects depend upon the quality and the quantity of the radiation as well as the skin sensitivity of the individual.
- The skin may develop sunburn after an excessive exposure. Excessively repeated exposure to ultraviolet radiation from the sun or the machine may lead to premature ageing of the skin as well as increased risk of development of skin tumours.
- The unprotected eye may develop surface inflammation, and in some cases, damage may occur to the retina after excessive exposure. Cataracts may develop after many repeated exposures. Therefore: **always use the protective sunglasses provided.**
- This machine is not to be used by people burning without tanning when exposed to the sun, by people suffering from sunburn, by people suffering from or previously suffering from skin cancer or predisposed to skin cancer.
- Read this carefully: if unexpected side effects, such as itching, occur within 48 hours of the first session of using a UV appliance, medical advice should be sought prior to further UV exposure.
- This appliance is not to be used by people burning without tanning when exposed to the sun, by people suffering from sunburn, by people under the age of 18, or by people suffering from (or previously suffering from) skin cancer or predisposed to skin cancer.
- Do not undergo exposure when taking medicines or using cosmetics, which increase sensitivity to ultraviolet radiation. If in doubt, take medical advice.
- This appliance shall not be used by persons under medical care for diseases that involve photosensitivity or persons receiving photosensitizing medications.
- Seek medical advice if persistent lumps, sores or pigmented moles develop on the skin.
- Ultraviolet radiation from the sun or UV-machines can cause injury to skin or eyes. These biological effects depend upon the quality and the quantity of the radiation as well as the skin sensitivity of the individual.
- The unprotected eye may develop surface inflammation, and in some cases, damage may occur to the retina after excessive exposure. Cataracts may develop after many repeated exposures.
- Read this carefully: if unexpected side effects, such as itching, occur within 48 hours of the first session of using a UV appliance, medical advice should be sought prior to further UV exposure.
- The skin may develop sunburn after an excessive exposure. Excessively repeated exposure to ultraviolet radiation from the sun or the machine may lead to premature ageing of the skin as well as increased risk of development of skin tumours.
- Remove cosmetics well in advance of exposure and do not apply any sunscreens.
- According to basic standards your Ultrasun tanning equipment needs to be equipped with original parts and lamps. In every other case the guarantee is taken off as well as any responsibility and any liability.

Use this machine only by standing-up in the middle of the sun plateau. Do not overload the suspended weight of the suspension handle on top in the middle of this machine.
The overload capacity is 30 Kg.

Service Parts

Besides that this Ultrasun E7 is equipped with high quality parts, there is a possibility that parts get exposed to mechanical erosion. When this happens these parts need to be replaced. In the table “Technical product information” specific article numbers of the lamps are mentioned. In the separately enclosed electrical scheme the article numbers of the electrical parts are mentioned in the inscription. Below other parts are listed that can be ordered with their related article number.

Ultrasun E7:

| Art. Number | Article |
|-------------|---|
| 2Z0101 | UV eye protection sunglasses with elastic |
| 5A0512 | Acrylic handle – Model : E7– 120,2 mm |
| 5A7030 | Acrylic plate 3mm |
| 5R0076 | Synthetic profile silver 2070 mm |
| 2P0050 | Paytronic payment system |

Technical Information And Lamp Configuration

| SUNBED TYPE UV-Type (conform EN 60335-2-27) | Ultrasun E7 4 | Ultrasun E7 3 |
|--|-------------------------------|--------------------------------|
| Lamps | 48 x Sunfit XXL 200W E-Tronic | 48 x Sunfit XXL3 200W E-Tronic |
| Equivalency code | 200-R-92/5,5 | 200-R-39/3,2 |
| Article number | 2L1201 | 2L3203 |
| Fuse*: | 3 x 16 A | 3 x 16 A |
| Power Supply: | 3 x 400V+N+PE 50/60Hz | 3 x 400V+N+PE 50/60 Hz |
| Power circa: | 9.100 Watt | 9.100 Watt |
| Weight circa: | 225 Kg | 225 Kg |

Many parts can be recycled, so keep them separate and do not dispose of them.



In order to keep a good overview of failures and ensuing repairs, we suggest you to register all notifications in the table on this page. Enter all information as completely as possible in the table on the next page, so that you keep a good overview of the history of your Ultrasun E7.

[illegible]

Dimensions - Grundabmessungen - Afmetingen - Dimensions



All dimensions in mm.
Between brackets in inches.

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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.

DECLARATION OF CONFORMITY

Directive 2014/35/EU and 2014/30/EU

We, **Ultrasun International BV**
Granaatstraat 6
7554 TR HENGELO, Holland

declare that this Ultrasun E7 is in conformity with the actual version of following normative documents:

Applied harmonized Standards:

Safety: EN 60335-1
Safety: EN 60335-2-27
EMC: EN 55014-1 and EN 55014-2
EMC: EN 61000-3-2 and EN 61000-3-3

following the provisions of the following directives:

IEC-Directives: Low Voltage Directive
2014/35/EU
Electromagnetic Compatibility Directive
2014/30/EU

Issued by:



J.W.S Fabels
CEO Ultrasun International
Hengelo, August 2016



Manual Solar Control & Scheme Sheet
are supplied separately