



User's Manual

Tristan 53/10

Kettler

For Parts & Service

800-994-8484

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INTRODUCTION

We would like to congratulate you on the purchase of your sunbed and thank you for placing your trust in us.

Your sunbed has been manufactured with extreme care and has been subjected to numerous quality control inspections and tests to ensure your reliable use. This manual is meant to help you as much as possible.

Should you have any questions, or suggestions in relation to our products, please do not hesitate to let us know.

Manufacture:

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2. READ THIS FIRST

! WARNING !

Always disconnect the main power at the circuit breaker before servicing or repairing the unit.

1. Contact your dealer immediately if the unit does not function properly.
2. Do not operate this unit in a moist or humid space.
3. Always make sure the fuses are big enough to carry the load. This unit has to be protected by a ground fault circuit interrupter. If the appliance is not connected by means of a plug, an installation device or an all-pole working switch will need to be fitted.
4. Use only factory approved acrylic cleaning materials. Never use cleaners containing alcohol. These can damage the acrylics.
5. Before installation, ensure the cabin has proper ventilation. A minimum space of 20cm (8") between the ceiling and the top of the cabin walls and 10cm (4") between the floor and the cabin walls are recommended.
6. Avoid having the acrylic sheets come in to contact with sharp objects.
7. Avoid water coming into contact with the unit. Never clean the electrical components with fluids.
8. This unit may not be operated if:
 - The user is not wearing protective UV-goggles
 - The facial glass is cracked or broke
 - The canopy acrylic sheet is not installed one or more of the internal fans are not functioning.
 - The timing mechanism is not functioning properly
 - The cabin temperature is 30 degrees C or higher
9. Ensure that the main ventilator hoses are not too long, kept straight and that no foreign objects are lodged therein.
10. Do not turn the unit off and then on until at least 2 minutes have elapsed.
11. To ensure the maximum tanning effectiveness, change the acrylic sheets every 1200 hours of operation.
12. To ensure the maximum tanning effectiveness, replace the lamps after every 800 hours of operation. Use original or compatible lamps that meet your beds requirements. Starters that will comply are as follows: Philips S12 or Cosmedico K12.
13. To ensure the maximum tanning effectiveness, replace the facial tanning lamps after every 800 hours of operation. Use only lamps of the type your appliance was initially equipped with.
14. To ensure the maximum tanning effectiveness, replace the blue filter glass after every 1200 hours of operation.
15. Check the local environmental regulations with the proper way to dispose of the lamps.

3. GENERAL TANNING INSTRUCTIONS

DANGER! Ultraviolet radiation. Follow instructions. Avoid overexposure. As with sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer.

WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.

WARNING: Receive proper operation from the proprietor. When using a machine with bench and canopy down until it will move no further. Recommended distance of the body from the canopy of this machine should be 6 inches or 15cm. Operation of any sunbed closer to the recommended minimum distance for use may result in overexposure.

Medications or Cosmetics: Some may increase your sensitivity to the ultraviolet radiation. Consult a physician before using sunlamp 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. Tanning may appear after one application provided that your skin is capable of developing a suntan. Allow 48 hours between sessions to obtain a base tan, and once or twice pre week to maintain appearance.

Recommended eyewear: Provided eye shields, such as Wink-Ease, or equivalent eyewear as defined under 21 CFR 1040.20, 2 (b)(6). One pair of protective eyewear is furnished with this equipment and should be worn by all persons in the room when the lamps are on. **INSURE THAT THE SUNBED USED CONTAINS COMPATIBLE LAMP TYPES AS THOSE LISTED THEREON. ALL SUNBEDS MUST HAVE LABEL STATING COMPLIANCE WITH PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR 1040.20**

In most cases, slight tanning will appear within six hours of the first application, provided your skin is capable of developing a tan. A moisturizer may be used after each tanning session.

- | | |
|------------------------------------|---|
| SKIN TYPE I Sensitive Skin: | This individual burns easily & severely. Does not tan. |
| SKIN TYPE II Light Skin: | This is the individual that usually burns Easily & severely. Tans minimally or lightly & peels. |
| SKIN TYPE III Normal Skin: | Often referred to as "average" complexion Burns moderately & tans about average. |
| SKIN TYPE IV Dark Skin: | This individual burns minimally, tans easily and above average. |

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RECOMMENDED TANNING SCHEDULE		SKIN TYPE	MAXIMUM EXPOSURE TIME IN MINUTES		
			Week 1	Week 2	Week 3 Maximum
I	Sensitive Skin Burns easily & severely Does not tan		Tanning Not Advised		
II	Light Skin Burns easily & severely Tans minimally	4	6	9	11
III	Normal Skin Burns moderately Tans moderately	5	8	11	11
IV	Dark Skin Burns minimally Tans well / above average	7	11	11	11

CERTIFIED LAMPS

The following lamps (or compatible) have been certified for use in this equipment:

Canopy
New Tech BCR Plus 160Watt
Cosmolux VHR 160Watt
Bench
New Tech XR 100Watt
Cosmolux VLR 100Watt

Facial units where applicable:
Philips HPA 500-400-300Watt
- And Compatible Types -

This product is in conformity with performance standards for sun lamp products under 21 CFR 1040.20

4. RECOMMENDED EXPOSURE SCHEDULE

DANGER. Ultraviolet radiation. Follow instructions. 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. **WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.**

WARNING: Receive proper operation instructions from the proprietor. When using a machine with bench and canopy, pull the canopy down until it will move no further. Recommended distance of the body from the canopy of this machine should be 6 inches or 15 cm. Operation of any sunbed closer to the body than the recommended minimum distance for use may result in overexposure.

Medications or Cosmetics: Some may increase your sensitivity to the ultraviolet radiation. Consult a physician before using sunlamps if you are using medications, 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 this use of this product. Tanning may appear after one application provided that your skin is capable of developing a suntan. Allow 48 hours between sessions to obtain a base tan, and once or twice per week to maintain appearance.

Recommended eyewear: Provided eye shields, such as Intrexco Nr. 563511s, or equivalent eyewear as defined under 21 CFR 1040.20, 2(b) 6). One pair of protective eyewear is furnished with this equipment and should be worn by all persons in the room when the lamps are on. **INSURE THAT THE SUNBED USED CONTAINS COMPATIBLE LAMP TYPES AS THOSE LISTED THEREON. ALL SUNBEDS MUST HAVE LABEL STATING COMPLIANCE WITH PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR PART 1040.20**

5. TIMER SYSTEM

This tanning unit is programmed to allow an exposure time that ranges always to a maximum exposure time, fixed in the exposure schedule in accordance with 21 CFR 1040.20.

After a session and exposure period of time the equipment stops automatically preventing too long exposure, initialing the ventilation process for the lamps.

The digital clock situated inside the solarium will display, by means of a digital panel, the duration of the session. All solariums have a pre-established session time.

START
STOP

Turns the tanning equipment on for exposure
Stops the tanning equipment and initiates the cooling process automatically.

+

To "ad" minutes of exposure time and "move" in the configuration status.

-

To "rest" minutes of exposure time and "move" in the configuration status.

During the use of the equipment, the current time will be displayed indicating number of minutes remaining as the TIMER automatically decreases the time lapse.

When the tanning equipment automatically switches itself off the fans will initiate the after cooling for 3-5 minutes. This is to allow the bed to cool down and the fans stop. The timer will show the programmed time again, ready for the next session.

6. SENSIBLE TANNING: 10 Golden Rules

1. Before starting to tan first read through the tanning instructions in this booklet and follow all of the recommendations.
2. The sunbed should only be used by people above the age of 15 with skin type 2 or higher. Children younger than 16 years of age and people with skin type 1 are extremely sensitive to ultraviolet light.
3. When first beginning a series of tanning sessions do not tan two days in a row but leave a day free. If your skin does not show any undesirable reaction you can then continue with the series of sessions.
4. Do not tan more than once a day. This applies to tanning on the sunbed and tanning in natural sunlight. Your skin does not make a distinction between the weather. Taking exposure to natural sunlight in account, keep the maximum number of sessions on the sunbed to approximately 50 sessions a year.
5. Some medicines and beauty products contain substances which can cause certain undesirable reactions when combined with exposure to UV radiation. Other substances may also sometimes have a similar effect. Below you will find a list of substances which can react when combined with exposure to UV radiation:

Sulphonamide – in various medicines including antibiotics.
Tetracyclones – in antibiotics. Anti-acne preparations.
Nalideine acid – in medication for infection of the urinary passages.
Chlorotiazide – in diuretics.
Sulphonylurea – in diabetics medication.
Phonethiazines – anti-stress medication.
Triacetyldiphenylistatine – in laxatives.
Psoralenes – in tanning accelerators.
Cyclamtes – in sweeteners.
Para-aminobenzoic acid (PABA) – in sun protection Creams/oils.
Musk ambrette, musk oil – in perfumes.
Bleach agents – on washing powder/liquids.
Eosine
Hiogenated salicylmidide – in anti-fungal substances.

If you are using medication consult your doctor before commencing a series of tanning sessions.

6. When combined with exposure to ultraviolet light, cosmetic products – perfumes and make-up can cause the skin to react. So take care to ensure that your skin is clean before tanning. Some products penetrate deep into the skin. So clean your skin thoroughly a few hours in advance of when you intend to tan. Remove any jewelry before tanning.
7. Do not use any sun protection creams, oil self tanning creams when using the sunbed. These products contain substances which influence tanning pills in combination with a series of tanning sessions, whether on a sunbed or in natural sunlight. The combination of tanning pills and UV-Light can increase the possibility of skin irritation and sunburn. You can, of course, use products which have been especially developed for use on the sunbed.
8. If your skin is red and taut sometime after tanning it is likely that you have a sunburn. Wait for these symptoms to disappear before tanning again, check your tanning schedule and decrease the tanning times. If tanning gives rise to undesirable reactions that you can not explain, stop tanning and consult your doctor if the symptoms do not disappear within a short period of time.
9. Always protect your eyes with the special protective goggles. UV light can cause eye disorders.
10. Reduce tanning time by 20% during the first 50 hours that the (new) sunbed is in use. During these first 50 hours the tubes do not emit the normal 100% energy but 120% energy. After the first 60 hours the tubes will emit the normal capacity of between 95% to 100%.

7. CARE AND MAINTENANCE

The Care and Maintenance in this section covers most of the difficulties that you may encounter under normal working circumstances.

THE TANNING BED YOU PURCHASED CONTAINS VOLTAGES WHICH ARE POTENTIALLY HAZARDOUS. ALL REPAIRS AND GENERAL MAINTENANCE SHOULD BE PERFORMED BY QUALIFIED PERSONNEL.

FOR YOUR TANNING BED:

Safe and continuous operation of your tanning beds depends partially on the care taken by users. Please observe the following precautions when tanning bed is in use.

- Do not disassemble any part of the bed while in use.
- Do not allow sharp objects in the bed while in use.
- Do not allow liquid or any foreign objects to get inside the bed.
- Ensure the beds back side is at least 6-12 inches away from the wall.
- Avoid from having the acrylic sheets come in contact with sharp edges and objects.
- Ensure that the main exhaust hoses are never damaged and keep them free of debris.
- The room or cabin in which the unit is operated must be well ventilated.
- Make sure that the unit never comes in contact with water while connected to power.
- Do not turn the machine on and off frequently within the space of 3 minutes.
- When replacing or cleaning Facial Lamps, both facial lenses and bulbs should be cleaned with alcohol, being free of smudges and finger prints.

8. PREVENTIVE MAINTENANCE

Cleaning the machine

Always disconnect the main power from the unit before attempting to clean or repair it. Dust the lamps with a dry cloth – do not use cleaning fluid or alcohol. The acrylics should be taken out at least once every week of operation and cleaned thoroughly with a non-alcoholic disinfectant glass or surface cleaner. If alcohol is used, the acrylic may fade, crack or break altogether. Failure to use anything other than an approved cleaning material on the acrylic will result in poor UV – transmission, and could eventually cause injury to the person using the machine. Use a vacuum cleaner with a dust nozzle to clean around the ballast racks and throughout the interior portions of the base, top deck and bench.

Longevity of the acrylic sheets

The acrylic sheets used in this machine should be changed between 1200 and 1500 hours of operation. If not, UV – transmission could be greatly reduced. Use a factory approved acrylic disinfectant cleaner only.

Longevity of the lamps

Most lamps will display up to 120% of rated output during the first 50 hours of illumination. As such, exposure schedules should be reduced by 20%, or sunburning may occur. After the initial 50 hours, the lamps will run at 100% of their rated output and gradually go down from there, until about 800 hours, whereupon the lamps should be replaced.

- **IMPORTANT:** When replacing or cleaning Facial Lamps, both facial lenses and bulbs should be cleaned with alcohol, being free of smudges and finger prints.

WARNING

DANGER

NEVER use this unit if the blue filter glass is missing or otherwise damaged, **SEVERE INJURY** may result within seconds. We recommend changing blue filter glass after 1,200 hours of use to maintain peak performance and safety of your tanning equipment.

What to do with old lamps?

Contact your local waste disposal company or city authority for the local environmental regulations and the proper way of disposal of the lamps.

IMPORTANT INFORMATION

For Your Personal Safety

- This tanning bed should be used only in accordance with its purpose: for your skin tanning.
- Any other use is not allowed and might be harmful and producer is not liable for any damages that have been caused through such a use.
- Damaged or/and broken parts should be immediately replaced. In that case only genuine KETTLER replacement parts should be used.
- Tanning beds comply with appropriate safety requirements. Incompetent repair or construction changes (e.g. disassembly from original parts, reassembling with inappropriate parts etc.) could be dangerous for a user.
- Appliance should be installed only in a dry, water and spray free room. A relative humidity in that room, in maximum allowed temperature of 82°F, should not exceed 70%. Any further is due to appropriate ventilation and/or air-conditioning.
- **Installation, hookup, first use should be carried out only be KETTLER service technician or other authorized person.**
- **Electric installation in a tanning room must meet appropriate electrical requirements and conditions. You mustn't do any changes to your electrical network, and if required it must be carried out by qualified electrical professional!**
- Some materials, that can go pale or be destroyed by the sunrays overexposure (e.g. paintings) should not be subject to exposure of sunlamps UV-rays.
- No fabric or similar should be kept on a tanning bed body. Air-inlets and ventilations air-outlets should not be covered, while it can lead to overheating of an appliance. In addition all air-inlets, outlets should be cleaned from accumulated dust, from time to time.

Warning

When acrylics or facial lamps glass are damaged, restrain from using a tanning bed till it is fixed, parts replaced

Otherwise serious burning hazard!!!

Also in case of timer failure do not use bed till timer is fixed/replaced.

Maintenance

- Professional grade cleaning products are available for tanning bed cleaning.
- For your safety and comfort use only best quality products. While cleaning tanning bed prevent any liquid from getting into an appliance.

- Filter replacement, as described below (pic. Page 6,7 and 12) should be carried out every 50 working hours apart.
- When liquid container of cooling unit must be empty (pic. Page 11), message "FA" will be displayed in time-display unit.
- **Negligence to comply with two, mentioned above, points can lead to disturbance in operating of a tanning bed, or even to tanning unit break down. In that case all guarantee claims won't be legitimate**
- In order to assure a constant highest quality of tanning, tanning lamps should be replaced every 500 working hours (or according to manufacturer's directions)
- Movement resistance of a canopy can be adjusted with wrench attached. Notice during closing of a canopy that it should close smooth without much effort, but in any circumstances it mustn't fall by itself causing serious health hazard!
- Facial lamps during operation get very hot, thus before changeover let them cool down.

Otherwise serious burning hazard!

New facial lamps that you are about to install should not be touched with bare hands, please use lint free cloth or similar. In case you did touch a new facial bulb with bare hands, clean it with clear spirit to leave it with no fingerprint.

- Facial lamp glass please clean with damp cloth.

GENERAL TANNING TIPS

Preparation

- Use appropriate lotions for each tanning session
- Remove all cosmetics, perfumes before each tanning session.
- Wash your hair and dry them carefully before tanning session.
- Some internal and external use medicines may cause over sensitivity to UV-rays exposure e.g. Antibiotics, Sulphonamide, Psoralenes, Meladinin, Vitamin-A etc. Avoid taking such medicines during and short before tan bath in tanning bed as well as with natural sun. Please ask your doctor if tanning is completely harmless for your body.

Health tips

- Comply with our recommendations and directions each time, especially, when it comes to a tanning length.
- Avoid tanning on several occasions on a one day, e.g. natural sun tan bath and sunlamps. You should not tan more than three times a week

(tan bath and tan lamps). More break days are recommended between each tanning.

- UV-rays overexposure, either through natural sun or UV sunlamps may lead to skin and eye damage. It might cause premature skin-aging as well as increased risk of skin cancer. Not appropriate protection of your eyes may cause irritation or retina injury. These health implication depend on everybody's skin type and to a certain extend can be influenced by a personal health history as well as by genetic susceptibility.
- Always protect your eyes with the special protective goggles and keep your eyes shut while using sunlamps. People, which wear contact lenses must wear UVA-opaque eye protectors in order to avoid eye injury.
- From a certain point tanning in no more effective, it doesn't make your skin any bronzer. Each skin type has its own maximum bronzing ability. Further tanning is only to maintain appearance. Arbitrary extending UV radiation exposure leads to significant health risk.
- Person with sensitive skin can achieve so called "warmer shades", through infrared radiation. That skin color is not a sunburn and it is healthy indifferent. Tanning times should be reduced till skin gradually gets used to.
- To determine your exposure time attached table may be helpful. Though consider the fact that times shown may vary due to individual skin sensitivity. The table has been provided as a guideline only for general skin types classification and related sun-sensitivity.

<i>Skin Type</i>	<i>II (light)</i>	<i>III (normal)</i>	<i>IV (dark)</i>
Tanning ability	Tans slowly and minimally	Tans moderately	Tans well / above average
Sun sensitivity	High	Average	Low

Maximum Exposure Time for lamps facials from Philips

Tristan USA 07518-800

Recommended maximum exposure time	Skin Type		
	II light skin	III normal skin	IV dark skin
Week 1 with facials level 1,2 3			
Week 2/after 2 sessions with facials level 1,2 3			
Week 3/after 3 sessions with facials level 1,2 3			

Important information:

Maximum exposure times shown in table above are only a guideline and individual sun-sensitivity may vary, thus those times for you may vary. In addition times shown are valid only with lamps installed. (See technical specification for details). When installing different lamps will affect exposure time as well as DIN-5050 classification.

Technical data	Tristan USA 7518-800	Tristan USA 7518-850
UV-Reflector lamps		
No. x wattage (top)		29 x 160W
No. x wattage (side)		15 x 160W
No. x wattage (bottom)		20 x 100W
High-power face tanner		
No. x wattage (3 stage control)	8 x 500W	8 x 500W
Body cooling continuously adjustable, head area	•	•

Body cooling continuously adjustable, foot area		
Air-conditioning unit		•
Air-conditioned bed surface + body cooling		•
Bed-surface dimension l x w in in.	82 11/16	33 7/16
Shoulder tanner (reflector)	•	•
Central air extractor top without warm air recycling		
Central air extractor top with warm air recycling		
Room air-conditioning via thermostat summer/winter operation. Only combined with prod. no. 7518-915		
Music system, stereo quality integrated speakers 2x60 W		
Volume control		
Simple operating panel incl. LED display	•	•
Air-condition power consumption		2700
Weight (approx.) in lb.	910	980
Connection fuses (time lag)	3x120V 3N 3X50A	3x120V 3N 3X50A
Total power consumption in kW	9.5KW	16.2KW
Cable cross-section	5x6mm ²	5x6mm ²
Air filter for canopy/bench	•	•
Extractor Ø in in.	1x13 3/4	1x13 3/4
Min qty. extractor air	33325 sq. ft/h	33325 sq. ft/h
Dimension in in. l x w x h (closed)	93 5/16 x 50 3/8 x 49 1/4	93 5/16 x 50 3/8 x 9 1/4
l x w x h (open) with extractor top	93 5/16 x 50 3/8 x 65 93 5/16 x 50 3/8 x 76 3/4	93 5/16 x 50 3/8 x 65 93 5/16 x 50 3/8 x 76 3/4
Minimum cabin dimension (interior) l x w in in.	98 7/16 x 82 11/16	98 7/16 x 82 11/16
EMV tested	•	•
TUV/US tested	•	•
CE symbol	•	•

• - standard - option