# megaSun®

by KBL



## megaSun® 3500

# Operating Instructions

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# Contents

# Importance of these instructions

This operating manual is intended for use by

- operational staff,
- users,
- service staff.

Any person dealing with this tanning unit must have read and understood these instructions.

Keep this manual ready to hand at any time.

# Safety advice

This chapter provides a summary of general information regarding safety and proper handling of the tanning unit. More specific safety advice is provided in other chapters of the operating manual.

## Intended use

The unit is intended to be used for the tanning of one single person at a time. This person must not fall in one of the categories mentioned below, otherwise using the tanning equipment is prohibited for him or her.

The following individuals must not use the sunbed:

- Persons under 18 years of age
- Persons wearing heart pacemakers
- Person prone to sunburn, without the desired tanning effects, when exposed to the sun (skin type I)
- Persons already suffering from sunburn
- Persons suffering, or having suffered, from skin cancer, or persons with a corresponding predisposition
- Persons taking medicines

Furthermore, this tanning unit has been designed for use by individuals who are in full command of their physical, sensorial and mental faculties. Moreover, sufficient knowledge and experience are required.
Children should be supervised to make sure that they do not use the unit as a toy.

## Duties of the operator

KBL-Solarien cannot be held liable for any damage resulting from improper use of the equipment or non-observance of these operating instructions.

## Timer-controlled operation

The sunbed has to be operated via an external timer. If the external timer fails, the sunbed is automatically switched off by an internal safety timer after 30 minutes.

## General safety advice

- Follow all instructions given in this manual. In addition, observe all relevant statutory provisions and regulations, also those applicable in the country of operation.

- The unit must only be installed and assembled by specifically trained staff.

- Arbitrary modifications or conversions of the equipment are not permissible.

- Observe all danger signs and safety notices attached to the equipment.

- Safety notices must not be removed, and safety equipment must not be disabled or removed.

- The unit must only be operated when in perfect working condition.

- Never operate the unit with the outer covers or acrylic panes removed.

- The tanning system must be controlled via a timer that complies with the generally applicable standards.

- Absolutely observe the maintenance frequencies indicated in the maintenance plan.

## Tanning times

Adhering to tanning times and schedules is essential.

# Transport

| | |
|---|---|
| ⚠️ | **⚠️ WARNING** |
| | **Overturning load** |
| | Danger of being crushed by heavy parts of the equipment. |
| | • Wear safety boots. |

## Transport by fork-lift truck

The box with the sunbed components is mounted on a pallet.

- Insert the forks cautiously into the openings of the pallet.
- Lift the load by a few centimeters.
- Cart the load cautiously to the place of installation.

## Other modes of transport

If a forklift truck cannot be used for transport, the box must be unpacked and the parts inside have to be transported individually to the place of installation, e. g. using a dolly. Depending on the weight of the parts, lifting them might require several people.

# Description of tanning unit

The sunbed complies with the following standards
in their respectively applicable version:

- EN 60335-2-27
- Low Voltage Directive 72/23/EEC
- EMC 89/336/EEC

An EC Declaration of Conformity can be requested from the manufacturer.

## Views

**Front side**
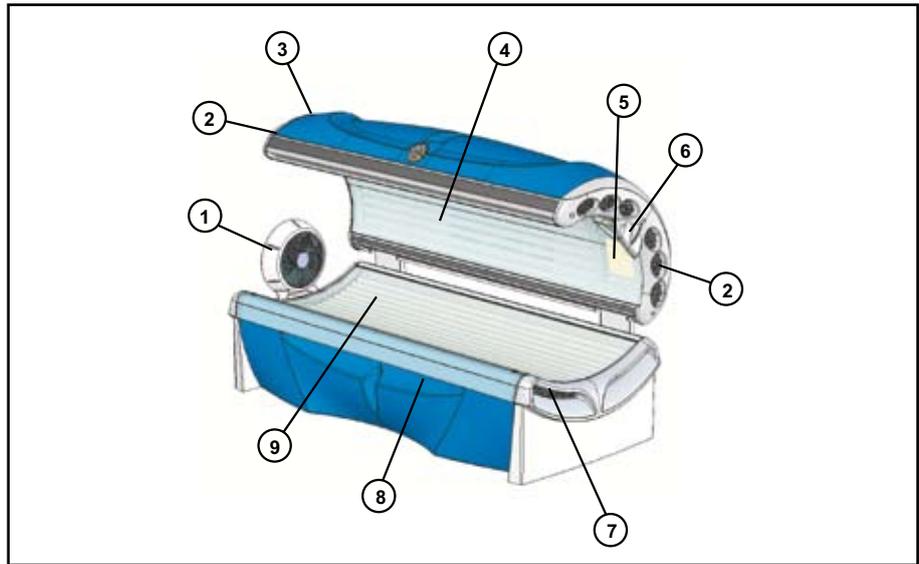


| 1 | Body fan | 6 | Display |
|---|---|---|---|
| 2 | Upper air intakes | 7 | Lower air intakes |
| 3 | Canopy | 8 | Front cover |
| 4 | Tubes, canopy | 9 | Tubes, bed |
| 5 | Facial tanners (not in case of XXL units) | | |

**Back side**
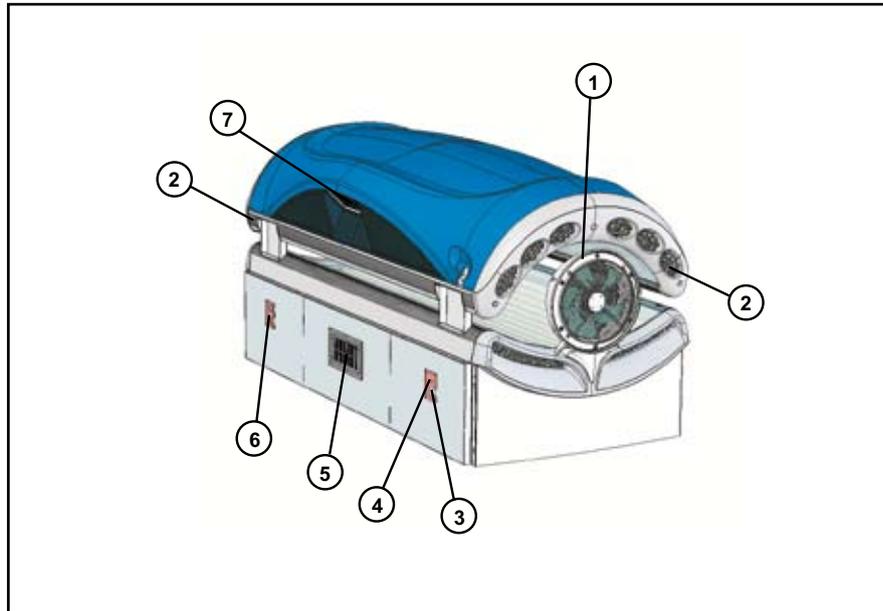


| 1 | Body fan | 5 | Lower exhaust-air outlet |
|---|----------|---|--------------------------|
| 2 | Upper air intakes | 6 | Power/timer connection |
| 3 | Power cable to canopy | 7 | Upper exhaust-air outlet |
| 4 | Display control cable | | |

megaSun

**Control panel**
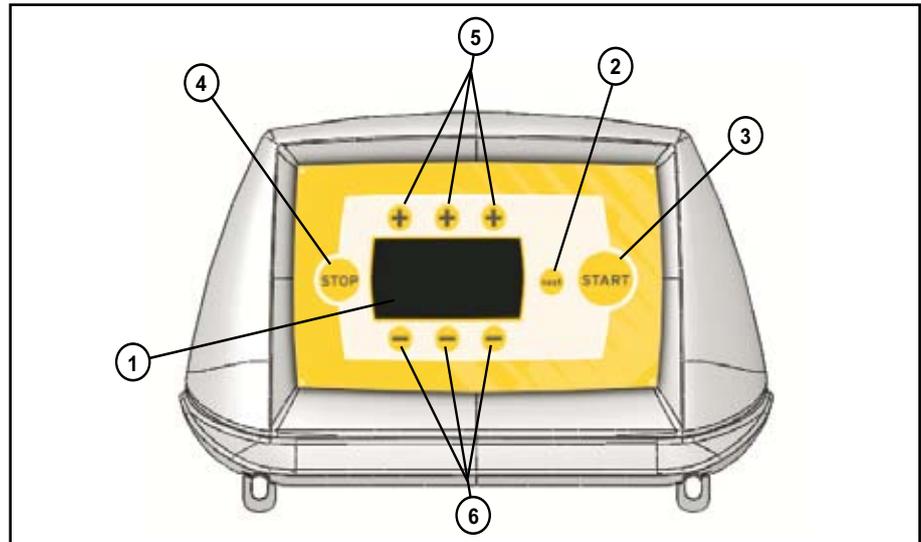


| 1 | Display | Shows "megaSun" in standby mode. |
|---|---------|----------------------------------|
| 2 | next | Alternates between the menus available in the current operating mode. |
| 3 | START button | Starts the tanning session:<br>• During warm-up time<br>• After discontinuing the session with the STOP button, if the available tanning time has not elapsed yet. |
| 4 | STOP button | Discontinues the tanning session if pressed for at least two seconds. |
| 5 | Plus button | In tanning mode: Increases the value of the function shown below the buttons.<br><br>In service mode: Executes the function shown below the buttons. |
| 6 | Minus button | In tanning mode: Decreases the value of the function shown above the buttons.<br><br>In service mode: Executes the function shown above the buttons. |

# Operation using different audio sources

The option of using a music source is not included in the standard model of the sunbed.

The audio source can be provided by the internal MP3 player of the sunbed, an external audio source, or both. The control panel allows you to alternate between the internal and external audio sources.

**Internal MP3 player**

If you use the internal MP3 player, you can play the music that is supplied on the SD card, or you can store your own tracks on it.

**External audio source**

As an external audio source, you can connect a device ranging from the standard line level to the loudspeaker level. The required level adjustment is performed via the potentiometer on the audio board.

For further information, please refer to the chapters "Connections" and "Service mode operation".

# Connecting the sunbed

## Connecting the mains voltage

Both the power supply and the related connection works must comply with national standards (e.g. VDE in Germany). The connection may only be carried out by qualified expert staff.

| ⚠ DANGER |
| --- |
| **Live components** |
| Danger to life due to electric shock when touching live parts. |
| • Switch off mains voltage. |
| • Protect against re-connection. |

The connection to the 400 V mains has to be protected by fuses. Their specifications can be found under "Technical Data".

A discriminating residual current-operated circuit breaker of type ABB F 374 63/0,03A has to be used in any circumstance. KBL-Solarien AG recommends: KBL 3200 0770 00

Should any interference occur due to the operation of your tanning unit with the mains, e.g. ripple-control systems (TRA), consult your power-supply company regarding the installation of corresponding blocking elements (audio frequency suppressor).



outlet of power cable on the rear side of the unit

400V / 3N / 50Hz coupling box with fuses (see "Technical Data") and discriminating residual current-operated circuit breaker of type ABB F 374 63/0,03A (KBL 3200077000)

PE  L1  L2  L3  N

green/yellow
black or 1
brown or 2
grey or 3
blue or 4
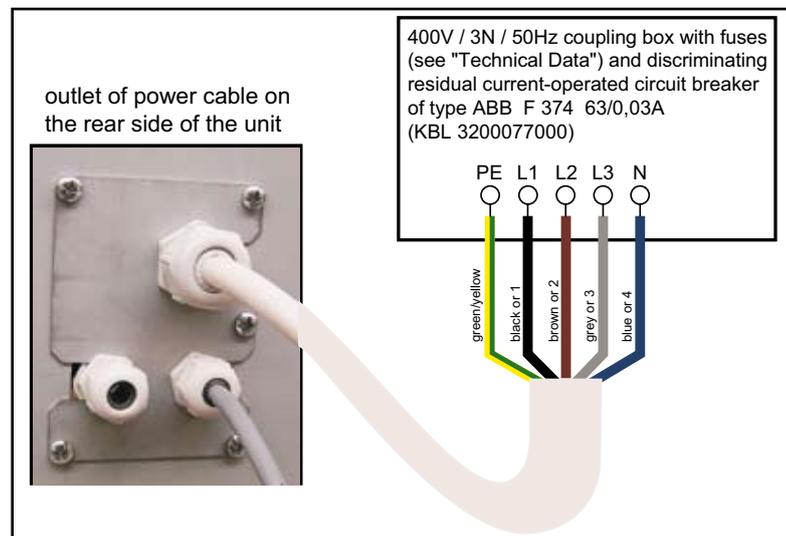
# Connecting an external audio source

The cinch marked in the illustration is connected to the external audio source where the line-out of the sound player or the headphone/loudspeaker jack are available for connection.

# Connecting an external timer

Connect the external timer (e.g. coin box, studio control) according to the instructions supplied with the timer. The following diagram shows the wiring of the timer connection.

connection to the coin box/external timer

L    N    enable    remote start

1    2    3    4    5    PE
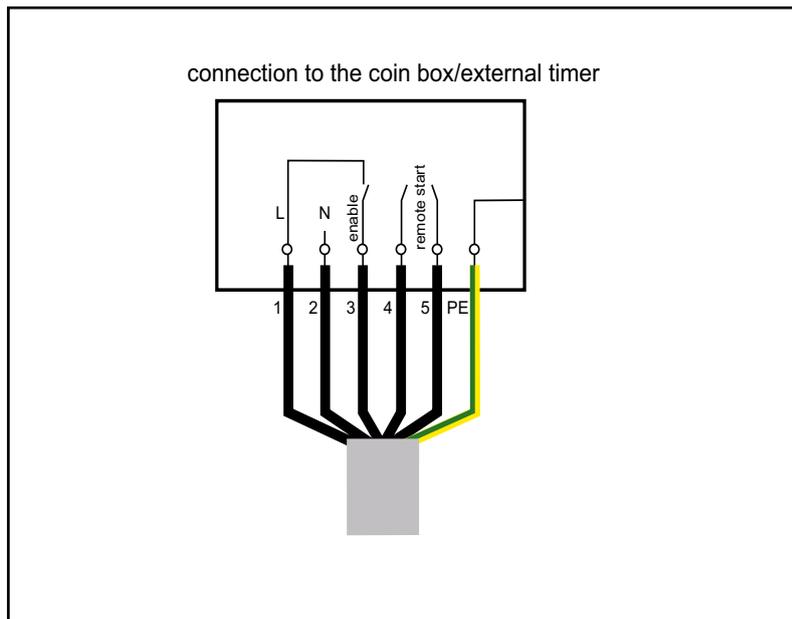
# Start-up

- Fix the supplied sign or one with the following wording permanently to the wall close to the tanning unit:

> **Warning**
> - UV radiation can cause eye and skin injury. Please ask the studio staff for further information.
> - Wear protective goggles.
> - Certain medicines or cosmetics can increase the sensitivity of the skin to UV radiation.

- Determine the presettings for the sunbed in the service menu.
- Store these Operating Instructions in a place that allows for easy access.

## Operating modes

The three different operating modes are explained below:

**Standby mode**   The unit is in an idle state, i.e. it is connected to the mains but is currently not used. The tubes and facial tanners are switched off. From the standby mode, you can change to the tanning mode or the service mode.

**Tanning mode**   The tubes and facial tanners are switched on and a tanning session proceeds. During the tanning mode, the settings for the ongoing tanning session can be changed via the control panel.

**Fan run-on**   After the tanning session, the fan runs on for 3 minutes in order to cool down the bed.

**Service mode**   In the service mode, the presettings for the tanning mode are determined, and you are prompted for values for the operation of the unit. The tubes and facial tanners are switched off.

# Tanning instructions

**General**   As a rule, an averagely tanning skin has achieved a uniform tan after three to five tanning sessions. These sessions should take place one after the other day. To preserve the suntan achieved, one or two further tanning sessions will normally do.

**No sunscreen with protection factor**   Sunscreens with sun protection factors are unsuitable for use in a tanning studio. For tanning, the skin should have been thoroughly cleaned and dry. For optimum skin care, we particularly recommend using our AfterSun line of bodycare products after tanning.

## Instructions for the user

Observe the following tanning instructions:

**General**
- Any person not listed in the chapter "Intended use" may use the sunbed.
- The different skin types tolerate the sun and hence tanning times to a different degree. Please observe the specifications in the skin-

type table (supplied with the unit) and the tanning times. After having reached the ultimate tan, further tanning can only be achieved by substantially exceeding the allowed tanning times. This has to be avoided in any case.

- The UV radiation of the sun or UV appliances can cause damage to the skin or to the eyes. These biological effects depend on the type and amount of radiation as well as on the individual sensitivity of the skin.

- After excessive radiation, the skin may exhibit sunburn. Excessively repeated exposure to UV radiation of sunlight or UV appliances can lead to premature ageing of the skin and to a higher risk of skin cancer.

- The unprotected eye can suffer from surface inflammation and in certain cases, e.g. after a cataract operation, excessive radiation can damage the retina. After many repeated sessions, a cataract may form.

- Exposure to UV radiation has to be avoided if medicine is taken that increases the sensitivity to ultraviolet radiation. If in doubt, seek medical advice.

- It cannot generally be assumed that the use of a sunbed reduces the risk of getting sunburn.

- Seek medical advice if persistent swellings or skin sores develop or pigmented moles change in appearance.

**For each tanning session**

- Only use radiation appliances of UV type 4 after consulting a doctor. Always use the supplied protective goggles and do not look into the tanning lamps.

- Remove cosmetics before the session and do not use any sunscreen.

- Allow for at least 48 hours to pass between sessions.

- After a tanning session, do not take another sunbath out of doors on the same day.

# Tanning times

For the precise definition of the skin types, please refer to the supplied skin-type table. If the tanning-session sequence is interrupted for 4 weeks or more, you will have to start with the first session again. The times mentioned in the tanning schedules only apply on the condition that tubes and facial tanners are replaced according to the maintenance intervals stipulated in the section dealing with maintenance.

3500 SUPER (inductive) LEVEL 1 (SCCP recommendation -> 0,3 W/qm) *

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 6 min | 6 min | 6 min |
| 2. Session | 7 min | 8 min | 8 min |
| 3. Session | 8 min | 9 min | 10 min |
| 4. Session | 9 min | 10 min | 12 min |
| 5. Session | 9 min | 12 min | 14 min |
| 6. Session | 10 min | 13 min | 16 min |
| 7. Session | 11 min | 14 min | 18 min |
| 8. Session | 12 min | 16 min | 20 min |
| 9. Session | 13 min | 17 min | 21 min |
| 10. Session | 13 min | 19 min | 23 min |
| 11. Session | 14 min | 20 min | 26 min |
| 12. Session | 15 min | 21 min | 28 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

3500 SUPER POWER (inductive) LEVEL 1 (SCCP recommendation -> 0,3 W/qm) *

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 6 min | 6 min | 6 min |
| 2. Session | 7 min | 7 min | 8 min |
| 3. Session | 7 min | 8 min | 9 min |
| 4. Session | 8 min | 10 min | 11 min |
| 5. Session | 9 min | 11 min | 13 min |
| 6. Session | 10 min | 12 min | 15 min |
| 7. Session | 10 min | 14 min | 17 min |
| 8. Session | 11 min | 15 min | 19 min |
| 9. Session | 12 min | 16 min | 20 min |
| 10. Session | 13 min | 18 min | 22 min |
| 11. Session | 14 min | 19 min | 25 min |
| 12. Session | 15 min | 20 min | 26 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

3500 XXL SUPER POWER (inductive) LEVEL 1 (SCCP recommendation -> 0,3 W/qm) *

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 6 min | 6 min | 6 min |
| 2. Session | 7 min | 7 min | 8 min |
| 3. Session | 7 min | 8 min | 9 min |
| 4. Session | 8 min | 10 min | 11 min |
| 5. Session | 9 min | 11 min | 13 min |
| 6. Session | 10 min | 12 min | 15 min |
| 7. Session | 10 min | 14 min | 17 min |
| 8. Session | 11 min | 15 min | 19 min |
| 9. Session | 12 min | 16 min | 20 min |
| 10. Session | 13 min | 18 min | 22 min |
| 11. Session | 14 min | 19 min | 25 min |
| 12. Session | 15 min | 20 min | 26 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

### 3500 SUPER (inductive) LEVEL 2 ∗ / ∗∗

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 4 min | 4 min | 4 min |
| 2. Session | 5 min | 5 min | 6 min |
| 3. Session | 6 min | 6 min | 7 min |
| 4. Session | 6 min | 7 min | 8 min |
| 5. Session | 7 min | 8 min | 10 min |
| 6. Session | 7 min | 9 min | 12 min |
| 7. Session | 8 min | 11 min | 13 min |
| 8. Session | 8 min | 12 min | 14 min |
| 9. Session | 9 min | 13 min | 16 min |
| 10. Session | 10 min | 14 min | 17 min |
| 11. Session | 10 min | 15 min | 19 min |
| 12. Session | 11 min | 16 min | 20 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

### 3500 SUPER POWER (inductive) LEVEL 2 ∗ / ∗∗

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 4 min | 4 min | 4 min |
| 2. Session | 5 min | 5 min | 6 min |
| 3. Session | 6 min | 6 min | 7 min |
| 4. Session | 6 min | 7 min | 8 min |
| 5. Session | 7 min | 8 min | 10 min |
| 6. Session | 7 min | 9 min | 12 min |
| 7. Session | 8 min | 10 min | 13 min |
| 8. Session | 8 min | 11 min | 14 min |
| 9. Session | 9 min | 13 min | 16 min |
| 10. Session | 10 min | 14 min | 17 min |
| 11. Session | 10 min | 15 min | 19 min |
| 12. Session | 11 min | 16 min | 20 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

### 3500 XXL SUPER POWER (inductive) LEVEL 2 ∗ / ∗∗

| | Skin type | | |
|---|---|---|---|
| | II | III | IV |
| 1. Session | 5 min | 5 min | 5 min |
| 2. Session | 5 min | 6 min | 6 min |
| 3. Session | 6 min | 7 min | 7 min |
| 4. Session | 6 min | 8 min | 9 min |
| 5. Session | 7 min | 9 min | 11 min |
| 6. Session | 8 min | 10 min | 12 min |
| 7. Session | 8 min | 11 min | 13 min |
| 8. Session | 9 min | 12 min | 15 min |
| 9. Session | 10 min | 13 min | 16 min |
| 10. Session | 10 min | 14 min | 18 min |
| 11. Session | 11 min | 15 min | 19 min |
| 12. Session | 12 min | 16 min | 21 min |
| The interval between two tanning sessions must be at least 48 hours. | | | |
| Max. number of tanning sessions per year (=15 kJ/m2) | 60 | 43 | 33 |

∗ Tube Equipment see Table „Technical data".

∗∗ No operation within the jurisdiction of the European standards!

# Operation in tanning mode

| | ⚠ **DANGER** |
|---|---|
| ⚠ | **Excessive dose of UV radiation**<br>If the UV radiation of the facial tanner is not properly filtered, or if the tanning session is prolonged excessively, the skin and the eyes will be injured severely.<br>• Never operate the sunbed with a defective filter pane. Carry out visual inspections regularly!<br>• Never operate the sunbed with a defective timer.<br>• Observe the tanning times given in the tanning schedule. |

The tanning mode starts automatically after the warm-up time specified in the timer has elapsed. During the warm-up time, the tanning session can be started manually by pressing the START button.

## Displays in tanning mode

**Tanning time**

**00:00**

During the tanning session, the tanning time so far is displayed as *minutes : seconds*. If the display flashes, the session has been discontinued.

**Functions of display 1**

If you press the *next* button or one of the *plus/minus* buttons in standby mode or during tanning, the available functions are displayed. The settings can only be changed during the tanning session. The megaSun display or the tanning time is shown either when the *next* button is pressed, or automatically after approx. 10 seconds.

**Functions of display 2**

Pressing the *next* button will invoke display 2. Display 2 shows the available audio sources and marks the selected one. If more than one audio source is available, this display can be used to change between the MP3 player and studio music as well as to change between individual tracks of the MP3 player. When selecting the MP3 player the currently played track is shown below the symbols, when selecting studiomusic it is „studio dchannel".

# Starting and stopping the tanning session

| | ⚠ WARNING |
|---|---|
| ⚠ | **UV radiation** |
| | UV radiation can cause skin and eye injuries. |
| | • Observe the tanning instructions. |
| | • If in doubt, do not tan. |

**Starting**

1. Lie down on the bed and fold down the canopy.
2. Put on the protective goggles.
3. If you want to start tanning before the warm-up time has elapsed, press the START button. After the warm-up time has elapsed, the tanning session will commence automatically.

**Stopping**

Keep the STOP button pressed for at least two seconds. As an acknowledgement, you will hear a sound signal, and the display with the tanning time starts flashing. Tanning is discontinued but the time will continue to be counted. The tanning session can be continued by pressing the START button if the available tanning time has not elapsed yet.

After the time given by the timer has elapsed, tanning is terminated automatically, and the fan will run on for 3 minutes.

# Turning the facial tanners on and off

This section is only applicable to units equipped with facial tanners. For units without facial tanners, the following symbol is therefore not displayed.

**Symbols on display 1**

| | |
|---|---|
| ▓ | 2 – Maximum power, all facial tanners are turned on. |
| ▬ | 1 – Reduced power |
| ▬ | 0 – The facial tanners are turned off. |

**Adjusting the tanning power**

On switching on the unit, all facial tanners are turned on after a delay (level 2).

- To **decrease the power** (level 1), press the *minus* button once.
- To **turn** them **off** completely (level 0), keep the minus button pressed for at least two seconds while on level 1.
- To **turn** them **on again**, press the *plus* button. After a delay of 3 minutes, the maximum level is set automatically.

## Adjusting the body fan

| | |
|---|---|
| **Symbols on display 1** ❀ | 1-9 – Body fan on |
| ❀ | 0 – Body fan off |

**Adjusting the fan power**

The force of the air stream can be adjusted continuously. After starting the tanning program, the fan gradually proceeds to level 4 if the setting has not been changed in advance by the studio guest.

- To **reduce** the fan power, press the *minus* button.
- To **increase** the fan power, press the *plus* button.
- To **turn off**, keep the *minus* button pressed for at least two seconds while on level 1.
- To **turn on again**, press the *plus* button.

## Adjusting the volume (optional feature)

This section is only applicable to units with an audio option.

| | |
|---|---|
| **Symbols on display 1** ♫ | 0-9 – Volume adjustment |

**Adjusting the volume**

After the tanning program has started, the volume is set to the value defined in the service menu. The volume can be adjusted continuously.

- To **decrease** the volume, press the *minus* button.
- To **increase** the volume, press the *plus* button.
- To **turn off** the sound, select level 0 with the *minus* button.

# Selecting the audio source (optional feature)

This section is only applicable to units with an audio option. You can choose between the options MP3 player and studio music if both audio sources are available and have been activated in the service menu. The selected source will be marked.

**Symbols on display 2**

| | |
|---|---|
|  | The MP3 player is available as an audio source but has not been selected.. |
|  | The MP3 player has been selected as the audio source. |
|  | Studio music is available as an audio source but has not been selected. |
|  | Studio music has been selected as the audio source. |

After the tanning program has started, the audio source that has been set as the default in the service menu is used.

**Selecting MP3 player and track**

If MP3 has been selected as the standard audio source, a track is chosen randomly and played after the unit has been turned on. After that, the subsequent tracks are played one after the other.

If you change from MP3 to studio, the player remembers the track currently being played and continues with it after changing back from studio to MP3.

Below the symbols the currently played track is displayed.

In order to choose a track, proceed as follows:

- Press the *next* button twice to invoke display 2.
- If the MP3 player has not been selected yet, press the corresponding *plus* or *minus* button to select it.
- Press the *plus* button to get to the next track in turn.
- Press the *minus* button to get to the previous track in turn.

**Selecting studio music**

To select studio music, proceed as follows:

- Press the *next* button twice to invoke display 2.
- If studio has not been selected yet, press the corresponding *plus* or *minus* button to select studio.

Below the symbols „studio channel" is displayed.

# Operation in standby/service mode

In standby mode, you can turn the decorative lighting of the sunbed on and off. In service mode, the presettings for the tanning mode are specified and you are prompted for values for the operation of the unit. The service mode can only be entered from the standby mode.

## Turning the decorative lighting on and off

1. Press the *plus* and *minus* buttons in the indicated order to turn the decorative lighting on or off.
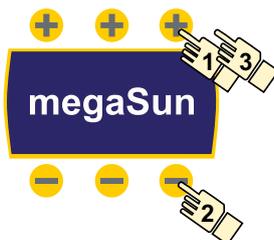
## Displays in service mode

The service menu can only be invoked from the standby mode.

**Invoking the menu**

1. Press the *plus* and *minus* buttons in the indicated order.

**Service menu**

```
    UP      +    STORE
POH       :3 h
POH Tubes :3 h
POH Burner:3 h
Sunbaths :48
Language :English
DOWN      –     EXIT
```
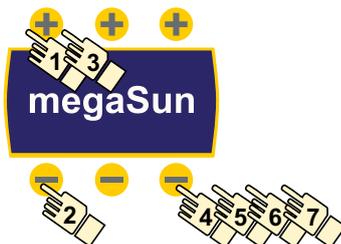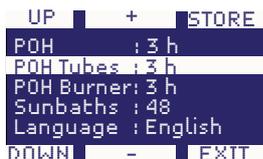
2. The service menu is displayed. The selected menu item is highlighted by a light selection bar.

**Menu functions**

| | |
|---|---|
| UP | Press the *plus* button above UP on the display to move the selection bar upwards. |
| DOWN | Press the *minus* button below DOWN on the display to move the selection bar downwards. |
| + | Press the *plus* button above + on the display to increase the selected value or to display the following option. |
| – | Press the minus button below – on the display to decrease / delete the selected value or to display the previous option. |
| STORE | Stores the settings. |
| EXIT | Exits the menu. |

**megaSun**

**Short description of the menus**

| Menu item | Menu option | Meaning |
|---|---|---|
| Betr.Std/ POH | | **P**ower-**O**n **H**ours |
| RoehrStd/ POH Tubes | | Power-On Hours of the tubes |
| BrennStd/ POH Burner | | Power-On Hours of the facial tanners |
| Anz.Beson/ Sunbaths | | Number of tanning sessions performed |
| Sprache/ Language | Deutsch/ German | Language setting. The menu items are displayed in German. |
| | Englisch/ English | Language setting. The menu items are displayed in English. |
| Land/ Country | Deutsch-land/Ger-many | Country setting |
| | USA/USA | Country setting |
| Kontrast/ Contrast | | Contrast setting of the display |
| Betr.Art / Oper.Mode | Muenzer/ Extern | Factory setting – do not change. |
| Beson.Zeit/ Tan Time | 30 min | Factory setting – do not change. |
| Max Zeit/ Max Time | 30 min | Factory setting – do not change. |
| Ges.Braeu/ FaceTanner | ein/enabled | Facial tanners are by default turned on in tanning mode. |
| | aus/ disabled | Facial tanners are by default turned off in tanning mode. Cannot be turned on by the studio guest. |
| MP3 Player/ MP3 Player | ein/enabled | MP3 player available |
| | aus/ disabled | MP3 player not available. Cannot be turned on by the studio guest. |
| Eingang/ Line In | raumklang/ surround | Studio music available in surround sound |
| | stereo/ stereo | Studio music available in stereo sound |

| Menu item | Menu option | Meaning |
|---|---|---|
| | mono/ mono | Studio music available in mono sound |
| | aus/ disabled | Studio music is not available and cannot be turned on by the studio guest. |
| Kanalwahl/ ChanSel. | | Currently not available |
| Mus.Immer/ NonStopMus | ein/enabled | Music is played in tanning mode and in standby mode. |
| | aus/ disabled | Music is only played in tanning mode. |
| StdQuelle/ Def.Src. | Eingang/ Line In | Studio music is selected as the default audio source. |
| | MP3 Player/ MP3 Player | The MP3 player is selected as the default audio source. |
| Def.Vol.H/ Def.Vol.H | 0...9 | Default volume for the tanning mode |
| Def.Vol.C/ Def.Vol.C | 0...9 | Default volume for the standby mode |
| Hoehen Ein/ Treb. Line | -12...+12 dB | Treble adjustment for studio music |
| Tiefen Ein/ Bass Line | -12...+12 dB | Bass adjustment for studio music |
| Hoehen MP3/ Treb. MP3 | -12...+12 dB | Treble adjustment for MP3 player |
| Tiefen MP3/ Bass MP3 | 0...+12 dB | Bass adjustment for MP3 player |

## Reading the power-on hours of the sunbed

The display POH shows the accumulated operating hours of the sunbed. It cannot be reset to zero.

## Resetting the power-on hours of tubes and facial tanners

POH Tubes and POH Burner show the power-on hours (operating hours) of tubes and facial tanners (sunlamps). These values must be reset to zero after a tube/lamp replacement.

1. Move the selection bar onto the menu item POH Tubes or POH Burner .
2. Reset the value to zero via -.
3. Save via STORE .

megaSun

## Number of tanning sessions

The menu item Sunbaths shows the accumulated number of all tanning sessions performed so far. This display serves statistical purposes. For example, the average duration of a tanning session can be computed that way. This value cannot be reset to zero.

## Changing the language and country settings

You can change the language and country settings in the service menu in such a way that the menu items are displayed in German or English.

1. Move the selection bar to the menu item Language .
2. Choose the desired language via the *plus* and *minus* buttons.
3. Move the selection bar to the menu item Country .
4. Choose the desired country via the *plus* and *minus* buttons.
5. Save the settings via STORE .

## Adjusting the contrast of the display

You can adjust the contrast of the display to adapt the display optimally to the lighting conditions of the environment.

1. Move the selection bar to the menu item Contrast .
2. Change the setting via + or – .
3. Save via STORE .

## Default setting of facial tanner

This setting determines whether the facial tanner is turned on by default when the tanning session starts. If the facial tanner is switched off by default, it cannot be turned on by the studio guest during the session.

1. Move the selection bar to the menu item FaceTanner .
2. Determine the desired default setting via + or – .
3. Save via STORE .

## Availability of the MP3 player

If the sunbed is equipped with an MP3 player, you can determine its availability for operation. If the sunbed is not equipped with an audio system, this menu item is set to disabled.

1. Move the selection bar to the menu item MP3 Player .
2. Determine the desired setting via + or – .
   enabled: The MP3 player is available.
   disabled: The MP3 player is not available and cannot be turned on by the studio guest.
3. Save via STORE .

## Availability of studio music

If the studio is equipped with an audio system, you can determine its availability for operation. If the sunbed is not equipped with an audio system, set this menu item to disabled.

1. Move the selection bar to the menu item Line in.
2. Determine the desired setting via + or – .
   surround: Studio music is available in surround sound.
   stereo: Studio music is available in stereo sound.
   mono: Studio music is available in mono sound.
   disabled: Studio music is not available and cannot be turned on by the studio guest.
3. Save via STORE .

## Playing music all the time or only during tanning

By making this setting, you determine when music is played. If the sunbed is not equipped with an audio system, this item is irrelevant.

1. Move the selection bar to the menu item NonStopMus.
2. Determine the desired setting via + or – .
   disabled: The music is played only during the tanning session.
   enabled: The music is played during tanning and in standby mode.
3. Save via STORE .

## Default setting of audio source

This setting determines which audio source is used as a default when the tanning session starts. If the sunbed is not equipped with an audio system, or if the studio does not have the corresponding audio equipment, this item is irrelevant.

1. Move the selection bar to the menu item Def.Src..
2. Determine the desired setting via + or – .
   Line in: Studio music is the default audio source.
   MP3 Player: The MP3 player is the default audio source.
3. Save via STORE .

## Default setting of volume

This setting determines at which volume the music is played by default. You can specify different volume values for tanning mode and standby mode. If the sunbed is not equipped with an audio system, this item is irrelevant.

**Volume for tanning mode**

1. Move the selection bar to the menu item Def.Vol.H..
2. Set the desired volume via + or – .
   The levels 0 - 9 correspond to the levels in tanning mode.
3. Save via STORE.

**Volume for standby mode**

1. Move the selection bar to the menu item Def.Vol.C..
2. Set the desired volume via + or – .
   The levels 0 - 9 correspond to the levels in tanning mode.
3. Save via STORE .

# Default setting of treble and bass for studio music

These settings determine treble and bass of the audio output to create an optimum sound. If the sunbed is not equipped with an audio system, this item is irrelevant.

**Treble adjustment**
1. Move the selection bar to the menu item Treb. Line .
2. Change the dB value via + or – .
3. Save via STORE .

**Bass adjustment**
1. Move the selection bar to the menu item Bass Line .
2. Change the dB value via + or – .
3. Save via STORE .

# Default setting of treble and bass for MP3 player

These settings determine treble and bass of the audio output to create an optimum sound. If the sunbed is not equipped with an audio system, this item is irrelevant.

**Treble adjustment**
1. Move the selection bar to the menu item Treb. MP3 .
2. Change the dB value via + or – .
3. Save via STORE .

**Bass adjustment**
1. Move the selection bar to the menu item Bass MP3 .
2. Change the dB value via + or – .
3. Save via STORE .

# Maintenance and cleaning

Regular maintenance is required for the safe operation of the sunbeds and has to be documented. Cleaning is to be performed when necessary.

| ⚠ | ⚠ **DANGER** |
|---|---|
| | **Live parts** |
| | Danger to life due to electric shock when touching live parts. |
| | • Always switch off the fuses before opening the unit to ensure that it does not carry any voltage. |
| | • Protect the unit against re-connection. |

## Instructions for cleaning and care

**General**
- Before cleaning, take off any rings, bracelets, watches etc. that you might be wearing in order to avoid scratching the surfaces.
- It must be avoided at any rate that any cleaning fluid runs into the appliance.

**Tubes**
- To preserve the tanning power, we recommend cleaning the tubes and UV lamps with warm water and a chamois after approx. 200 hours of operation.

**Acrylic panes**
- For cleaning the acrylic panes, use the special cleansing agent and disinfectant "megaClean" supplied by KBL and dilute it in water at a ratio of 1:13.

**Varnished and plastic parts**
- To clean the varnished and plastic surfaces, use a damp soapy cloth.
- Do not clean the big plastic parts with a dry cloth. This might scratch the surfaces!

**Cleansing agents**
- **The surfaces and acrylic panes must not be cleaned with concentrated disinfectants or solvents or other liquids that contain alcohol!**

# Maintenance intervals

| Component/wearing part | Cleaning | Replacement |
|---|---|---|
| Tubes and starters | Tubes after approx. 200 operating hours | After 500 operating hours |
| Lamp of the facial tanner | After approx. 200 operating hours | After 500 operating hours |
| Filter pad, bed section | Clean after 100 operating hours, replace if necessary. | |
| Filter pad, canopy section | Clean after 100 operating hours, replace if necessary. | |
| Acrylic panes | When necessary | After approx. 3000 operating hours |
| Filter pane of facial tanners | When necessary | After approx. 5000 operating hours |
| Gas spring of lifting mechanism | — | After approx. 3 years |

# Cleaning and replacing the acrylic panes

The acrylic panes can exhibit small inclusions and reams. During operation, hairline cracks can also develop. This does not affect or hardly affects the tanning properties and does not present a quality flaw.

**Cleaning the canopy pane**

The canopy pane is cleaned when necessary. The instructions for cleaning and care have to be observed. The outer surface can be cleaned without any preparatory works. In the following, we describe how to clean the inner surface.

1. Fold up the canopy of the sunbed.
2. Undo the 3 screws that fix the pane to the canopy in the front area. To undo the screws, a quarter turn to the right will do - they are quick-release fasteners. The cover with the screws will fold down.



3. Put a cushion, a rolled-up towel or something similar on the bed pane to protect it against scratches.
4. Take hold of the canopy pane in the front area from underneath and push it slightly towards the back side of the sunbed to release it from the holder, and fold the pane down.
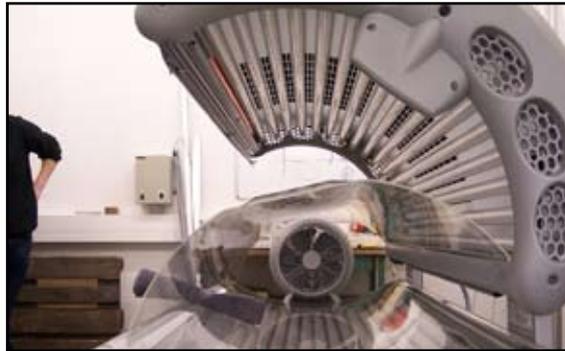
5. Clean the inner surface of the canopy pane and re-fasten it. The quick-release fasteners of the pane are screwed down as follows: Bring the screw slot into a horizontal position with a screwdriver and press against it until the lock catches.

**Replacing the canopy pane**

The instructions for cleaning and care have to be observed.

1. Fold up the canopy of the sunbed.
2. Undo the 3 screws that fix the pane to the canopy in the front area. To undo the screws, a quarter turn to the right will do - they are quick-release fasteners. The cover with the screws folds down.



3. Take hold of the canopy pane in the front area from underneath and push it slightly towards the back side of the sunbed to release it from the holder.

4. Fold the pane down slightly and pull it out towards the front. If necessary, you can also undo the screws at the lower edge and fold the cover down.





5. Assembly is performed in reverse order. Pay special attention to the correct placement of the new pane in the frame when inserting it.
6. The quick-release fasteners of the pane are screwed down as follows: Bring the screw slot into a horizontal position with a screwdriver and press against it until the lock catches.
7. Clean the outer surface.

**Cleaning the bed pane**

The bed pane is cleaned when necessary. The instructions for cleaning and care have to be observed. The outer surface can be cleaned without any preparatory works. In the following, we describe how to clean the inner surface.

The electronic components underneath the bed may not be subjected to humidity. You should therefore use a slightly damp cloth only to clean the inner surface of the bed pane and the interior of the bed section.

1. Fold up the canopy of the sunbed.
2. Undo the two flat-head screws on the left-hand and right-hand sides of the bed pane.



3. Lift the pane so that you are able to take out one of the pane holders located behind the front edge. Lift the pane further and erect the pane holder beyond the resistance point so that the rod stays in the fitting. Repeat this procedure for the second pane holder so that the pane rests on both holders.



4. Clean the inner surface of the bed pane. Pay attention to the pane holders during cleaning.
5. As soon as the inner surface of the bed pane is completely dry again, fold it down and re-fasten it.
6. Clean the outer surface.

**Replacing the bed pane**

The instructions for cleaning and care have to be observed.
Replacing the bed pane requires two people.

1. Fold up the canopy of the sunbed.
2. Undo the two flat-head screws on the left-hand and right-hand sides of the bed pane.



3. One person takes hold of the right-hand side, one of the left-hand side of the bed pane; fold it up until you almost reach the canopy and pull it out towards the front.



4. Assembly is performed in reverse order. Ensure the correct placement of the pane profile in the hinge profile when inserting the new pane.



5.

# Cleaning and replacing the tubes

By regularly cleaning the tubes (see *Instructions for cleaning and care*), you can help preserve their tanning power. When you replace the tubes, you must also replace the starters. Replace tubes and starters only against ones of the same type.

The coloured filter of the decorative lightning has to replaced at the latest when replacing the tanning tubes.

**Canopy tubes**

For replacing or cleaning the canopy tubes, you can either dismantle or fold down the canopy pane. In the following paragraph, we describe the replacement procedure assuming that you fold down the canopy pane.

1. Fold up the canopy of the sunbed.
2. Undo the 3 screws that fix the pane to the canopy in the front area. To undo the screws, a quarter turn to the right will do - they are quick-release fasteners. The cover with the screws folds down.



3. Put a cushion, a rolled-up towel or something similar on the bed pane to protect it against scratches. Take hold of the canopy pane in the front area from underneath and push it slightly towards the back side of the sunbed to release it from the holder, and fold the pane down.

4. Remove the tube covers on the right-hand and left-hand side.
   To do so, take hold of the tube cover with both hands close to the edge,
   pull straight towards the centre of the sunbed, and take it out in a
   downward movement. Make sure that you pull out the lateral parts of the
   cover completely without canting them.

5. Remove the tubes by turning each tube a quarter forwards or backwards and pulling it out.



6. When cleaning the tubes, use warm water and a chamois. Do not use any aggressive or alcoholic cleansing agents.
7. When replacing the tubes, replace the starters first.



8. Installing the tubes: Make sure that the inscription on the tubes is visible, or else there will be no tanning effect.
9. Assembly is performed in reverse order. The quick-release fasteners of the pane are screwed down as follows: bring the screw slot into a horizontal position with a screwdriver and press against it until the lock catches.
10. Reset the counter for the operating hours (power-on hours) of the tubes in the service menu (Roehr.Std/poh tubes, see section "Operation in standby/service mode").

**Bed**

1. Fold up the canopy of the sunbed.
2. Undo the two flat-head screws on the left-hand and right-hand side of the bed pane.



3. Lift the pane so that you are able to take out one of the pane holders located behind the front side. Lift the pane further and erect the pane holder beyond the resistance point so that the rod stays in the fitting. Repeat this procedure with the second pane holder so that the pane rests on both holders.

4.  Remove the tube covers on the right-hand and left-hand side.
    To do so, take hold of the tube cover with both hands close to the edge,
    pull straight towards the centre of the sunbed, and take it out in an
    upward movement. Make sure that you pull out the lateral parts of the
    cover completely without canting them.



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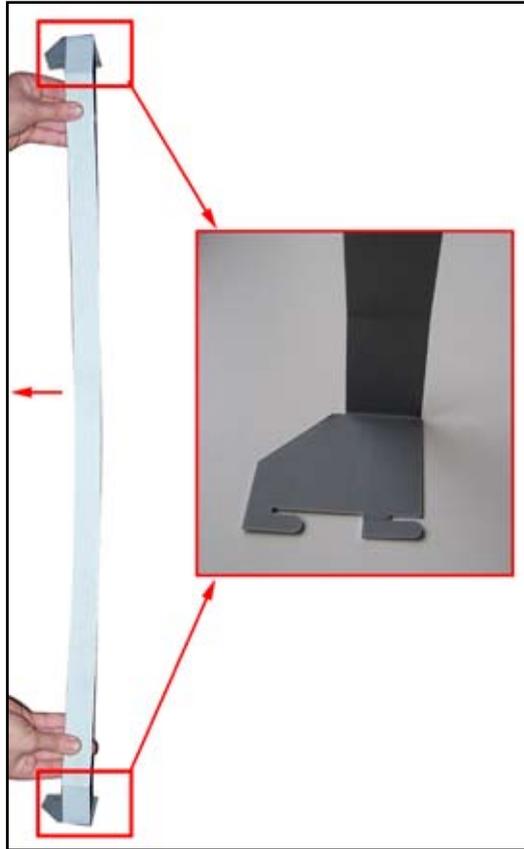
5.  Remove the tubes by turning each tube a quarter forwards or backwards
    and pulling it out.



6.  If necessary, clean the interior of the bed section with a
    slightly damp cloth. The electronic components underneath
    the bed must not be subjected to humidity.

7. When cleaning the tubes, use warm water and a chamois. Do not use any aggressive or alcohol-containing cleansing agents.
8. When installing the tubes, replace the starters first.
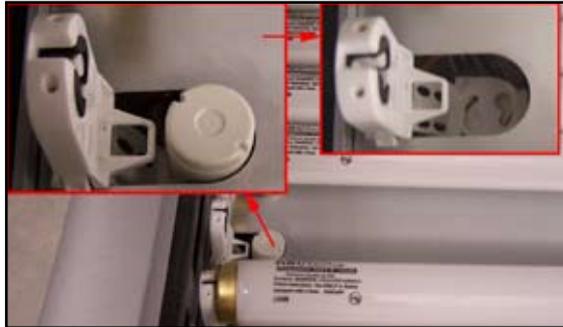


9. Installing the tubes: Make sure that the inscription on the tubes is visible, or else there will be no tanning effect.
10. Assembly is performed in reverse order.
11. Reset the counter for the operating hours (power-on hours) of the tubes in the service menu (Roehr.Std/poh tubes).

## Cleaning/replacing the filter panes and replacing the lamps of the facial tanner

1. Fold up the canopy of the sunbed.
2. Undo the 3 screws that fix the pane to the canopy in the front area. To undo the screws, a quarter turn to the right will do - they are quick-release fasteners. The cover with the screws folds down.



3. Put a cushion, a rolled-up towel or something similar on the bed pane to protect it against scratches.

4. Take hold of the canopy pane in the front area from underneath and push it slightly towards the back side of the sunbed to release it from the holder, and fold the pane down.
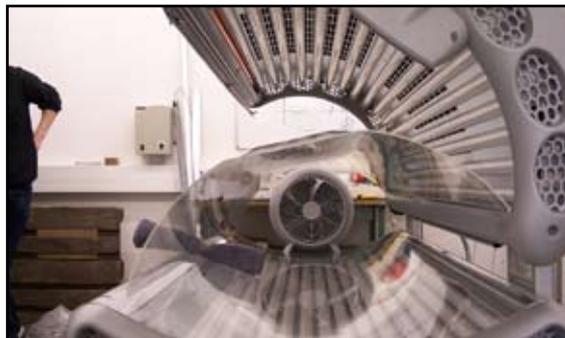




5. Remove the tube cover from the facial area.
   To do so, take hold of the tube cover with both hands close to the edge, pull straight towards the centre of the sunbed, and then take it out in a downward movement. Make sure that you pull out the lateral parts of the cover completely without canting them.

If you do not succeed in pulling out the tube cover, fold down the lower cover of the canopy pane and check whether the transportation-lock screw has been removed (circular marking).

6. Screw off the mirror strip and pull it out towards the side.
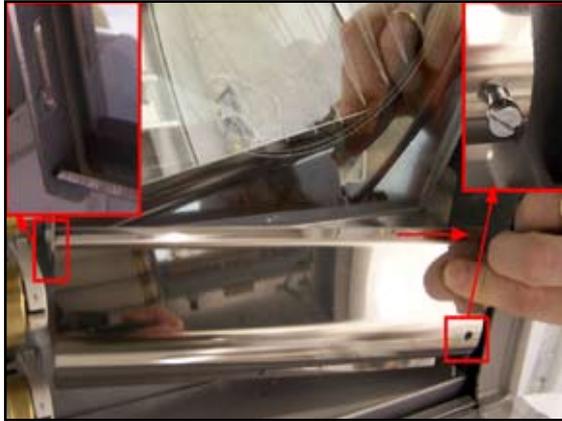


7. Removing the filter pane: Press the spring upwards, the filter pane then folds towards the front so that you can remove the pane.
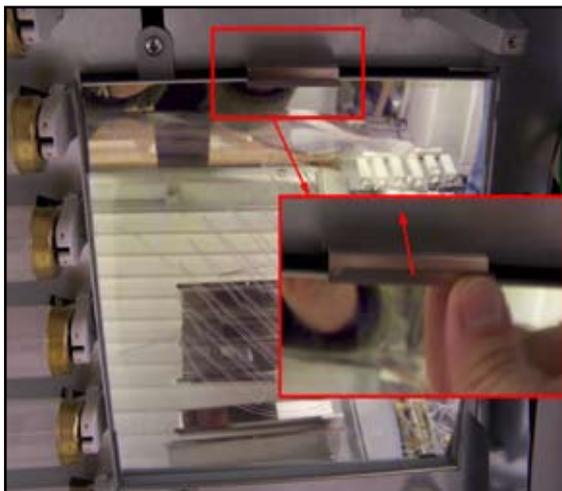
8. Use a soft cloth to take hold of the lamp, preferably somewhere in the middle. Push it into one of the sockets and pull out the opposite side towards the front. Do not touch the glass surface with your bare hands.
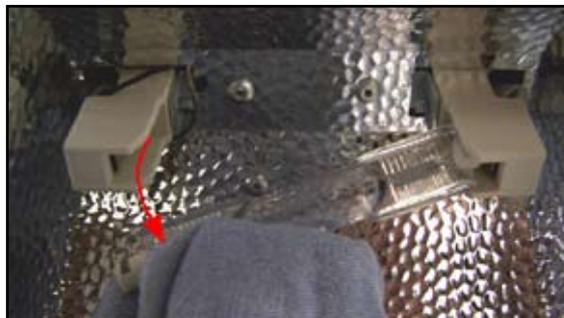




9. Assembly is carried out in reverse order.

# Replacing the decorative lighting

A 58 W tube each is installed on the front side of the bed section and the canopy section. The coloured filter has to replaced at the latest when replacing the tanning tubes.

**Bed**

1. Fold up the canopy of the sunbed.
2. Undo the two flat-head screws on the left-hand and on the right-hand side of the bed pane.

3. Lift the pane so that you are able to take out one of the pane holders located behind the front side. Lift the pane further and erect the pane holder beyond the resistance point so that the rod stays in the fitting. Repeat this procedure for the second pane holder so that the pane rests on both holders.



4. Pull out the front cover in upward direction and towards the front.



5. Pinch the coloured jacket and loosen the tube by turning it a quarter. Pull it out and replace the starter.



6. Insert the new tube into the jacket. Install the new tube in the fitting.

7. Putting on the front cover: Insert the cover into the screws in the lateral parts of the frame,
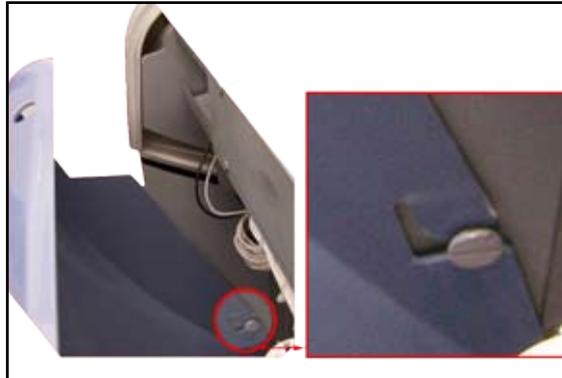


and place the holes in the upper part over the silicone dampers. Push the cover downwards and make sure that the dampers go through the holes.
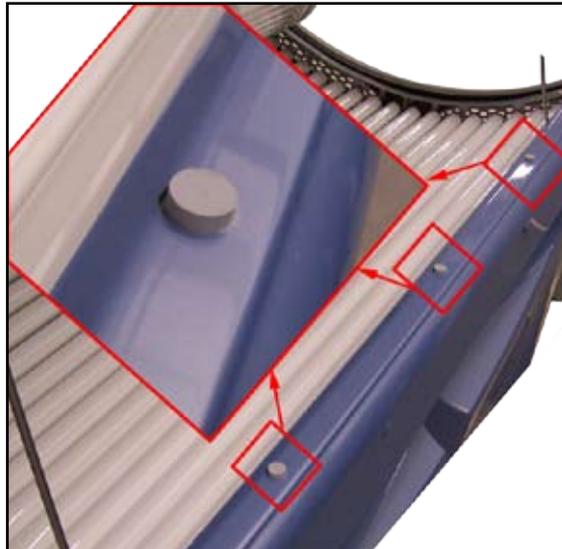


8. Fold down the bed pane and fasten it.

**Canopy**

1. Fold up the canopy of the sunbed.
2. Undo the 3 screws that fix the pane to the canopy in the front area. To undo the screws, a quarter turn to the right will do - they are quick-release fasteners. The cover with the screws folds down.



3. Put a cushion, a rolled-up towel or something similar on the bed pane to protect it against scratches. Take hold of the canopy pane in the front area from underneath and push it slightly towards the back side of the sunbed to release it from the holder, and fold the pane down.

4. Remove the tube covers on the right-hand and left-hand side. To do so, take hold of the tube cover with both hands close to the edge, pull straight towards the centre of the sunbed, and take it out in a downward movement. Make sure that you pull out the lateral parts of the cover completely without canting them.



5. Remove the first 4 to 5 tubes by turning each a quarter forwards or backwards and pulling it out. This should give you room enough to replace the decorative lighting.
6. Pinch the coloured jacket of the decorative lighting, loosen the tube by turning it a quarter, and pull it out.



7. Replace the starter.
8. Insert the new tube for the decorative lighting into the jacket and fasten it.
9. Installing the tubes: Make sure that the inscriptions on the tubes are visible, or else there will be no tanning effect.
10. Assembly is performed in reverse order. The quick-release fasteners of the pane are screwed down as follows: bring the screw slot into a horizontal position with a screwdriver and press against it until the lock catches.

# Replacing the canopy drive

The canopy drive consists of one gas spring each on the right-hand and left-hand side of the sunbed.

**Checking for canopy weights**

In some units, there are weights fixed within the canopy section. After the canopy drive has been replaced, the number of weights may need adjusting. Changes, however, are required only if it becomes evident during operation of the unit that the canopy has become harder to open than previously (meaning that weight has to be removed) or that the canopy does not completely close any more (meaning that weight has to be added). The exact weight has to be determined individually. In order to check for the canopy weights, proceed as follows:

1. Remove the two upper lateral parts (see section 1 1. and 2 in the chapter "Replacement" further down).
2. Lift the canopy cover. The weights (steel bars at 500 g each) are located in the middle of the front area.

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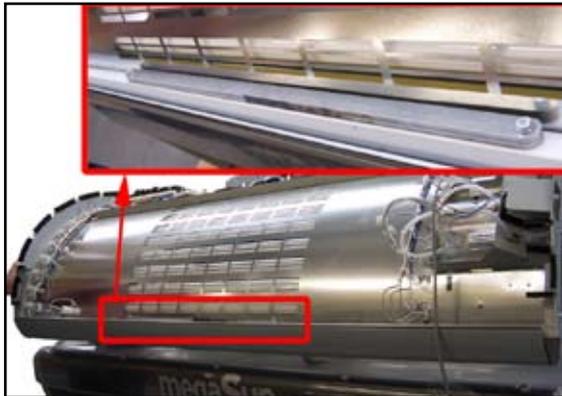
**Replacement**

The replacement (see "Maintenance intervals") must be carried out by two people. The procedure is the same for both sides.

1. Undo the 3 screws on the lateral part of the canopy.



2. Remove the lateral part.
3. Fold up the canopy and undo the lock washers on the upper and lower bolt with a screwdriver.

4. Take the load off the canopy by having the second person lift it somewhat and hold it in this position. The canopy may not be strained until the new gas spring has been installed with bolts and lock washers.



5. Pull the gas spring off the lower bolt.



6. Draw the bolt of the upper fitting backwards and pull out the gas spring downwards.



7. The installation of the new gas spring is performed in reverse order.
8. Repeat the steps 1 - 9 for the other side.

# Changing the SD card in the MP3 player

1. Fold up the canopy of the sunbed.
2. Undo the two flat-head screws on the left-hand and on the right-hand side of the bed pane.



3. Lift the pane so that you are able to take out one of the pane holders located behind the front side. Lift the pane further and erect the pane holder beyond the resistance point so that the rod stays in the fitting. Repeat this procedure for the second pane holder so that the pane rests on both holders.
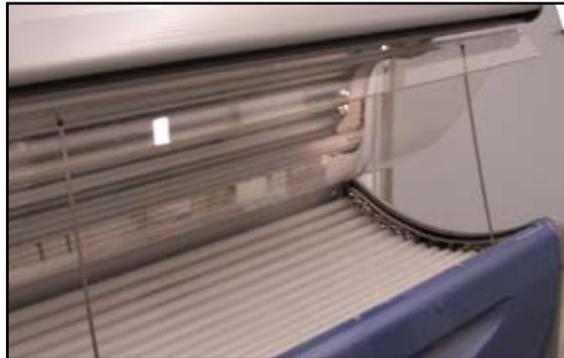


4. Pull out the front cover in upward direction and towards the front.



5. The MP3 player is located on the front side of the electronics carriage. First of all, push the SD card slightly into the player so that the push-eject

mechanism disengages. Then you can remove the card.
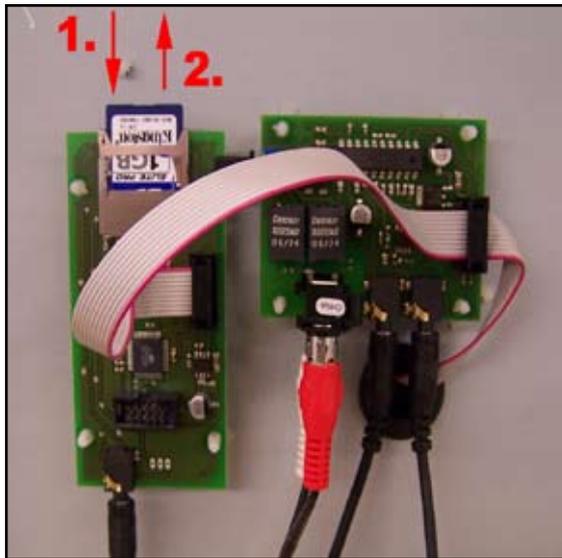


6.  Putting on the front cover: Insert the cover into the screws in the lateral parts of the frame
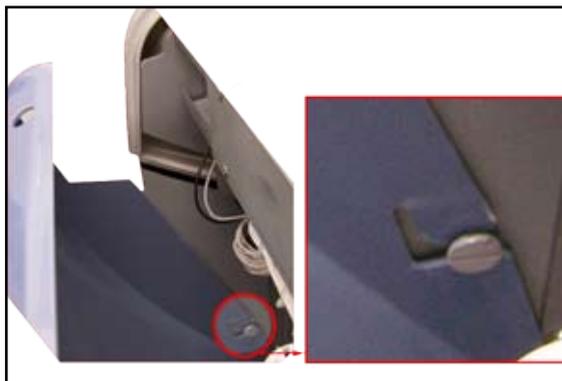


and place the holes in the upper part over the silicone dampers. Push the cover downwards and make sure that the dampers go through the holes.
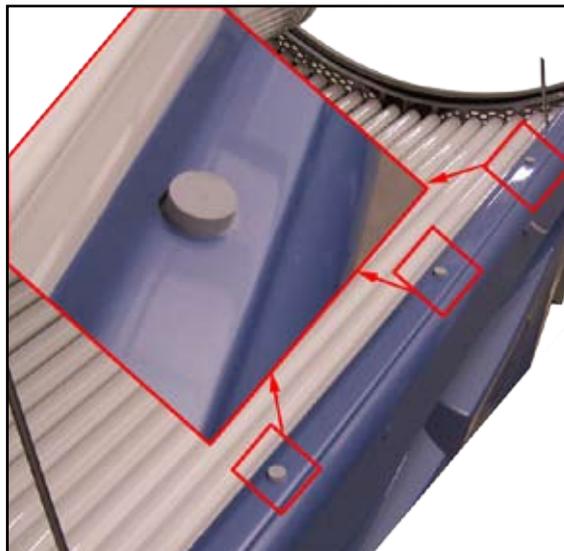
7. Fold down the bed pane and fasten it.

## Uploading to the SD card

Please refer to the section "Technical data" for information on supported card capacities as well as file-system and MP3 formats.

1. Insert card into the computer's memory-card reader.
2. Copy the files to the card.
   If you would like to have the tracks played in a specific order, you have to number them accordingly beforehand (001_Titel.mp3, 002_Titel.mp3 etc.). Then format the card and upload the numbered tracks. For writing the card, you can use ID3-TagIT, for example (www.id3-tagit.de).
3. Insert the card into the MP3 player of the sunbed.

# Fault messages

| No. | Status text | Status description | Trouble-shooting |
|---|---|---|---|
| 1 | NO_COMM | No communication between operating unit and control unit. | Check the connection between the operating unit and the control unit. If the fault persists, contact the service staff. |
| 2 | UEBERTEMPE-RATUR/ EMERGENCY_ OFF | The excess-temperature switch has triggered. | Check the air-intake/air-discharge system. Let the sunbed cool down and acknowledge the message by pressing the START button. If the fault persists, contact the service staff. |
| 3 | VERSION_ MISSMATCH | Software versions of operating unit and control unit are incompatible. | Contact the service staff. |
| 4 | TOUCH | Touch controller reports a fault (e.g. dirty keypad) | Check the keypad and clean it, if necessary. If the fault persists, contact the service staff. |
| 5 | MAX_TIME_ EXCEEDED | Coin-box signal active for longer than Max Time (voltage is applied). | Disconnect the coin box. |

# Service

For all service-related questions, please contact
your responsible specialist supplier.

# Technical Data

| Ambient conditions | | | |
|---|---|---|---|
| **Installation site** | In dry rooms (booths) with sufficient airing <br>• Relative humidity: ≤ 70% <br>• Room temperature: ≤ 30 | | |

| Electrical data | | | |
|---|---|---|---|
| **Mains voltage** | 400 V / ~ 3 N / 50 Hz | | |
| **Wire cross section** | 5 x 2.5 mm² Ölflex | | |

| Exhaust air | | | |
|---|---|---|---|
| **Exhaust-air socket** | Diameter 148 mm, 970 m³/h | | |
| **Exhaust-air hose** | Diameter 150 mm | | |

| Unit data megaSun 3500 | | | |
|---|---|---|---|
| | **Super** | **Super Power** | **XXL Super Power** |
| **Sunlamps** | 3x 400 W <br>megaSun 600 | 3x 400 W <br>megaSun 600 | — |
| **Filter panes** | T324 | T324 | — |
| **Tubes, canopy** | Level 1: <br>16x megaSun Ultimate III 100 (1806 R 100W) <br>Level 2: <br>16x megaSun Super R 100W (1820 R 100W) | Level 1: <br>18x megaSun Ultimate III 120 (1807 R 120W) <br>Level 2: <br>18x megaSun Super Power R 120W (1840 R 120W) | Level 1: <br>18x megaSun Ultimate III XXL 120 (2006 R 120W) <br>Level 2: <br>18x megaSun XXL Super R 120W (2015 R 120W) |
| **Tubes, bed** | Level 1: <br>16x megaSun Ultimate III 100 (1806 R 100W) <br>Level 2: <br>16x megaSun Super R 100W (1820 R 100W) | Level 1: <br>18x megaSun Ultimate III XXL 120 (2006 R 120W) <br>Level 2: <br>18x megaSun XXL Super R 120W (2015 R 120W) | Level 1: <br>18x megaSun Ultimate III XXL 120 (2006 R 120W) <br>Level 2: <br>18x megaSun XXL Super R 120W (2015 R 120W) |
| **Fuses** | Automatic fuse, K-type, 3 pole, 3x 16 A with residual current-operated circuit breaker | Automatic fuse, K-type, 3 pole, 3x 16 A with residual current-operated circuit breaker | Automatic fuse, K-type, 3 pole, 3x 16 A with residual current-operated circuit breaker |
| **Nominal power** | 4600 | 5700 | 4500 |
| **Weight** | 350 kg | | |
| **Dimensions in mm (Length x Width x Height)** | 2275 x 1060 x 1135 (when closed) <br>2275 x 1240 x 1490 (when open) | | |
| **MP3 player** | • Support for SD cards up to 1 GB <br>• Supported file systems on SD card: FAT, FAT32 <br>• Supported MP3 files: fixed and variable bit rate, 96-320 kbit/s | | |

## Dimension illustration

# megaSun

**by KBL**

®