

megaSun[®]

by KBL



megaSun[®] Shuttle 360°

Operating Instructions

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Contents

About these instructions	4
---------------------------------------	----------

Safety advice	5
Intended use	5
Duties of the operator	5
Timer operation	5
General safety advice.....	5
Tanning times	5

Transport	6
Transport by forklift truck	6
Other modes of transport.....	6

Description of the unit	7
Views	7
Operation using different audio sources.....	8

Connections	9
Connecting the mains voltage	9
Connecting an external audio source	9
Connecting the external timer.....	10
Connecting the channel selection.....	10
Connectors on the Shuttle 360°	10
Connectors on the aquaCool box	10
aquaCool Box/Shuttle 360°	10

Start-up	11
Operating modes	11
Initialising aquaCool	11

Tanning instructions	12
Instructions for the user	12
Tanning times	13

Operation in tanning mode	14
Displays in tanning mode	14
Assuming the tanning position and starting / stopping the tanning session.....	16
Adjusting the volume (optional feature).....	16
AquaCool (optional feature).....	16
Adjusting the upper-body tanner	17
Adjusting the body fan	17
Selecting the audio source and track (optional feature)	17
Switching the back tanner on/off	18
megaVoice on/off (optional feature).....	18

Standby mode / service mode	19
Turning the decorative lighting on and off.....	19
Invoking the service menu.....	19

Overview service menu KBL/5 processor.....	20
Overview service menu KBL/4 processor.....	21
Displaying the operating hours of the solarium/of the tubes.....	23
Resetting the operating hours of the tubes.....	23
Presetting the back tanner.....	23
Setting audio characteristics.....	23
Setting aquaCool properties	24
AquaCool tests	25
Initialising aquaCool	25
Querying software information.....	25
Carrying out a tube reset	26
Setting date and time.....	26
Setting the timer function for the decorative lighting	26
Presetting of the body fan.....	26

Maintenance and cleaning	27
Instructions for cleaning and care.....	27
Maintenance intervals.....	27
Removing and installing filter panes.....	28
Cleaning and replacing the tubes	29
Replacing the lamps of the upper-body tanner.....	30
Maintaining the drive of the upper-body tanner	30
Replacing the decorative lighting.....	32
Changing the SD card in the MP3 player	33
Recording to an SD card	33
Replacing the aquaCool canister.....	34
Replacing the aquaCool nozzles	35

System messages	36
------------------------------	-----------

Service	37
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Technical data	38
-----------------------------	-----------

About these instructions

This operating manual is intended for use by

- operating staff,
- users,
- service staff.

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

This manual describes units equipped with the maximum number of features.

Keep this manual ready to hand at all times.

Safety advice

This chapter provides a summary of general information 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 tanning system:

- Persons under 18 years of age
- Persons with heart pacemakers
- Persons 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.

Only original spare parts, particularly tubes and sunlamps, may be used. Otherwise, both operating licence and warranty will become void!

Timer operation

The unit must be controlled via an external timer. Should the external timer fail, an internal safety timer

will switch off the system automatically 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



Transport by forklift truck

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

- Insert the forks carefully into the openings of the pallet.
- Lift the load by a few centimetres.
- Transport the load carefully 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 the unit

This tanning system complies with the following standards in their respectively applicable version:

- EN 60335-2-27
- Low Voltage Directive 2006/95/EC
- EMV 2004/108/EC

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

Views

OPENED SHUTTLE

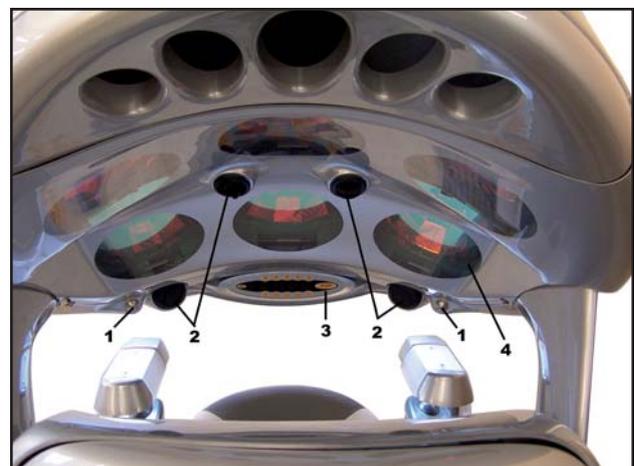


1	Footrest
2	Seating surface
3	Armrests with hand tanners
4	Back tanner
5	On the inside: display and upper-body tanners
6	Canopy, adjustable
7	Decorative lighting (on both sides)

CLOSED SHUTTLE



INTERIOR VIEW



1	aquaCool nozzles
2	Ventilation flaps
3	Display
4	Upper-body tanners (a total of 6)

Operation using different audio sources

The option of operating the system with an audio source is not included in the standard model of the Shuttle 360°.

The audio source can be provided by the internal MP3 player, an external audio source, or both. The control panel allows you to alternate between the internal and the 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 record your own tracks to the card.

EXTERNAL AUDIO SOURCE

As an external audio source, you can connect devices ranging from the standard-line level to a low loudspeaker level. The required level adjustment is performed via the potentiometer on the audio CPU (audio switch).

For further information, please refer to the chapters “Connections” and “Operation in service mode”.

Connections

Connecting the mains voltage

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

⚠ DANGER

Live components

Risk of fatal injury due to electric shock when touching live parts.

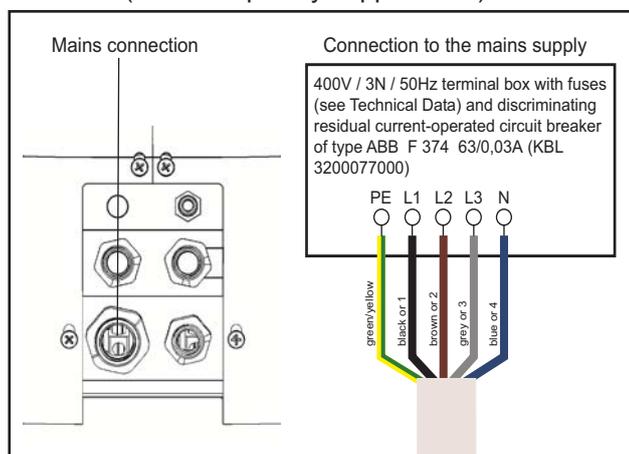
- Switch off mains voltage.
- Protect against re-connection.

Both the power supply and the related connection work must comply with national standards, e.g. those set up by VDE in Germany. The connection work must only be performed by qualified expert staff.

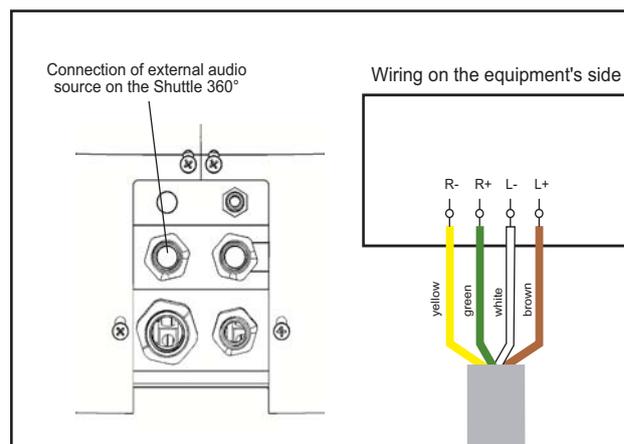
The connection to the 400 V mains must be protected by fuses. Their specifications are listed in the chapter "Technical data".

A residual current-operated circuit breaker (RCD) is absolutely required. KBL-Solarien AG recommends the following type: KBL 3200 0770 00 (type ABB F 374 63/0.03A)

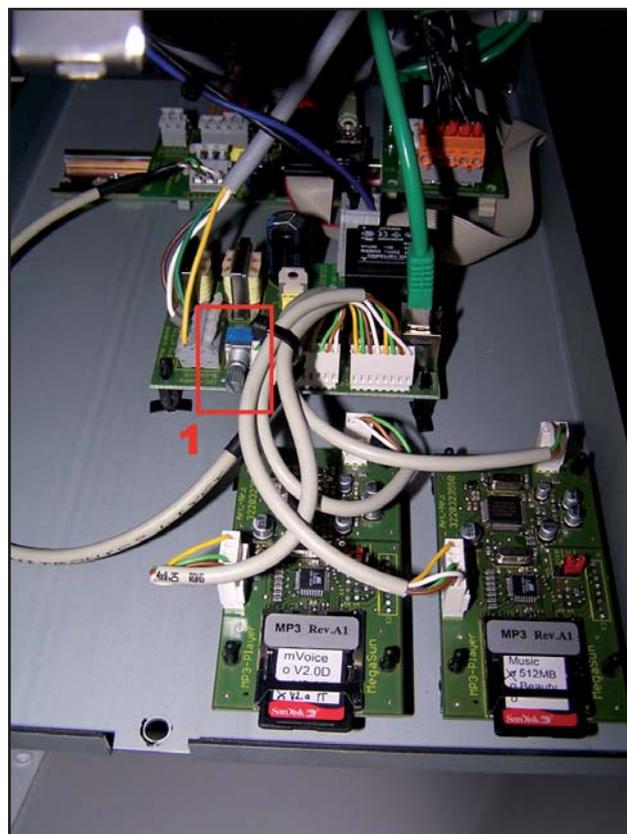
Should the operation of the tanning unit cause any interference in the power supply network, e.g. with ripple-control systems (TRA), consult your power supply company to have corresponding blocking elements (audio frequency suppressors) installed.



Connecting an external audio source

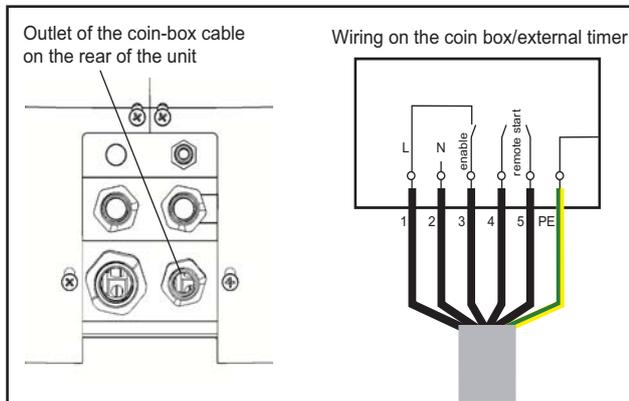


The potentiometer (1) required for level adjustment is located on the audio CPU (audio switch) in the base of the Shuttle.



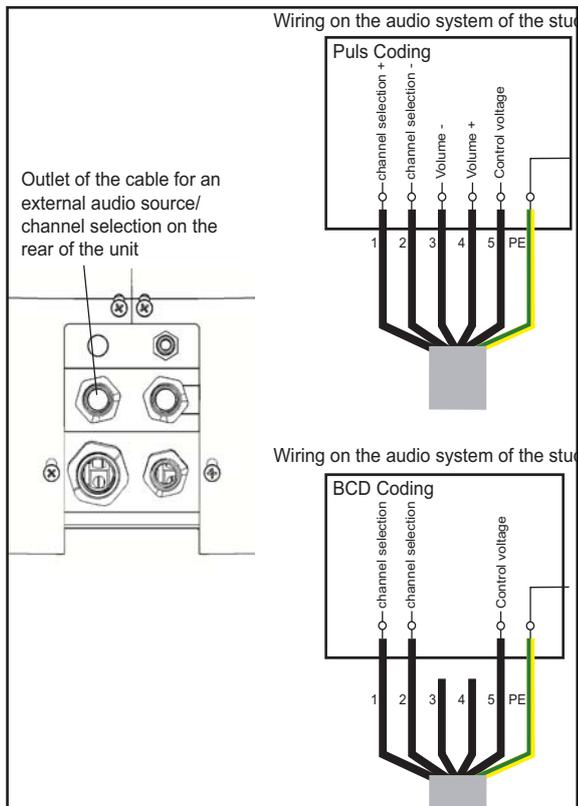
Connecting the external timer

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

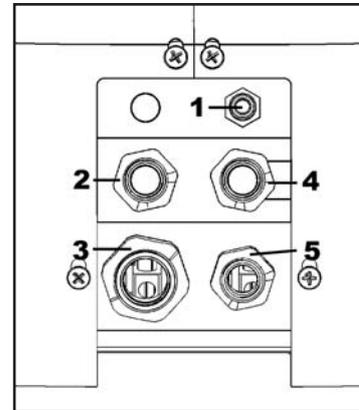


Connecting the channel selection

The following diagram shows the wiring of the channel selection on the audio equipment's side.

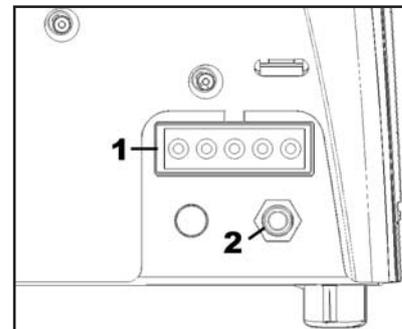


Connectors on the Shuttle 360°



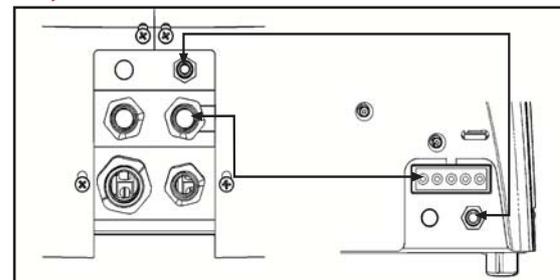
- | | |
|---|---|
| 1 | AquaCool liquid |
| 2 | Audio connection |
| 3 | Mains connection |
| 4 | Monitoring of liquid level in the aquaBox |
| 5 | Connection of external timer (coin box) |

Connectors on the aquaCool box



- | | |
|---|---|
| 1 | Monitoring of liquid level in the aquaBox |
| 2 | AquaCool liquid |

aquaCool Box/Shuttle 360°



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. 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 Shuttle 360° in the service menu.
- Store these Operating Instructions in a place that allows for easy access at any time.

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 the tanning lamps are switched off. From the standby mode, you can change to the tanning mode or the service mode.

TANNING MODE

The tubes and the tanning lamps are switched on and a tanning session is in progress. While the unit is in 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 Shuttle 360°. With the tubes cooling down, the fan power is automatically decreased.

SERVICE MODE

In the service mode, the presettings for the tanning mode of the Shuttle 360° are determined. Various values can be displayed and test functions can be carried out.

Initialising aquaCool

During start-up and after each emptying of the hose, an aquaCool initialisation must be performed. In the course of this initialisation, the hose is filled with aquaCool liquid.

The initialisation process is started via the menu item AAC/AQUA/INIT in the service menu.

Tanning instructions

As a rule, an averagely tanning skin has achieved a uniform tan after three to five tanning sessions. These sessions should take place every second day. To preserve the suntan achieved, one or two tanning sessions per week 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 be dry. For optimum skin care, we particularly recommend using our AfterSun line of body-care products after tanning.

Instructions for the user

Observe the following tanning instructions:

GENERAL

- Any person that complies with the requirements laid down in the chapter "Intended use" may use the device.
 - 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 must absolutely be avoided.
 - The UV radiation of the sun or of 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 exposure to radiation, the skin may exhibit sunburn. Excessively repeated exposure to UV radiation of sunlight or UV appliances can result in premature ageing of the skin and in 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.
- No exposure to UV radiation 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 solarium reduces the risk of getting sunburn.
 - Seek medical advice if persistent swellings or sores develop on the skin or if pigmented moles change in appearance.
 - Only use radiation appliances of UV type 4 after consulting a doctor.

FOR EACH TANNING SESSION

- Always wear the supplied protective goggles.
- 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 in a studio, 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 four 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 the tubes are replaced according to the maintenance intervals stipulated in the section dealing with maintenance of the unit.

MS SHUTTLE 360° (LEVEL 1)* according to EN 60335-2-27 -> 0,3 W/m²

	Skin type		
	II	III	IV
Session 1	6 min	6 min	6 min
Session 2	7 min	7 min	7 min
Session 3	7 min	8 min	9 min
Session 4	8 min	10 min	11 min
Session 5	9 min	11 min	13 min
Session 6	9 min	12 min	15 min
Session 7	10 min	13 min	16 min
Session 8	11 min	15 min	18 min
Session 9	12 min	16 min	20 min
Session 10	12 min	17 min	22 min
Session 11	13 min	19 min	24 min
Session 12	14 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/m ²)	60	43	33

* For tube set, see table "Technical data".

Operation in tanning mode

⚠ DANGER

Excessive dose of UV radiation

If the UV radiation emitted by the facial tanner is not sufficiently filtered, or if the tanning session is prolonged excessively, the skin and the eyes will be injured severely.

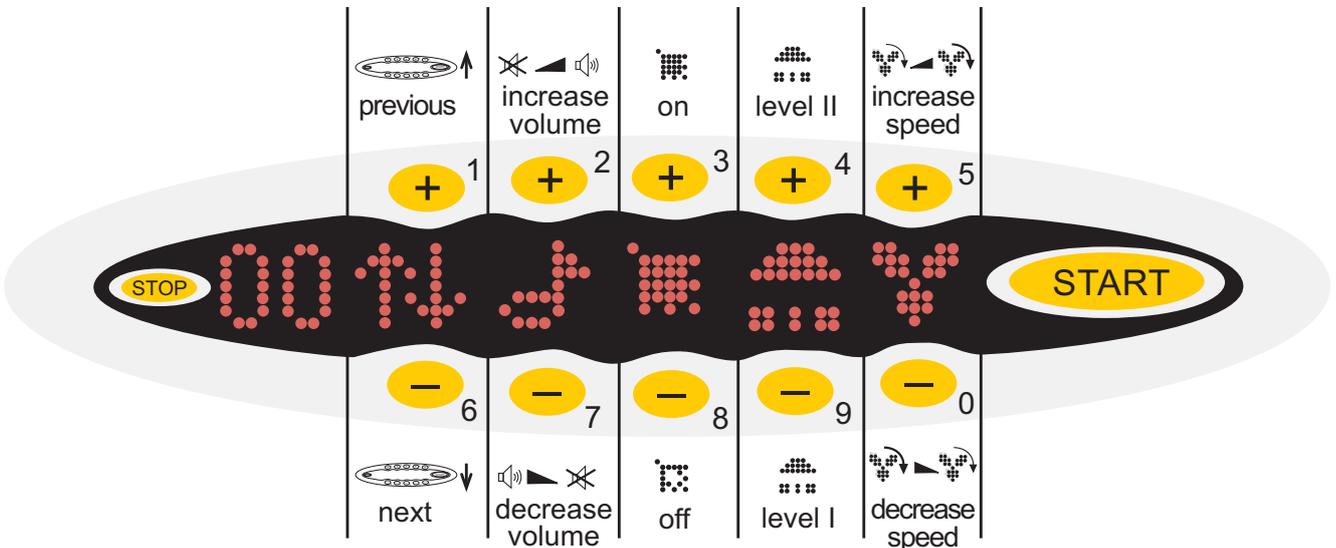
- Never operate the solarium with a defective filter pane. Carry out visual inspections regularly!
- Never operate the solarium with a defective timer.
- Observe the tanning times given in the tanning schedule.

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

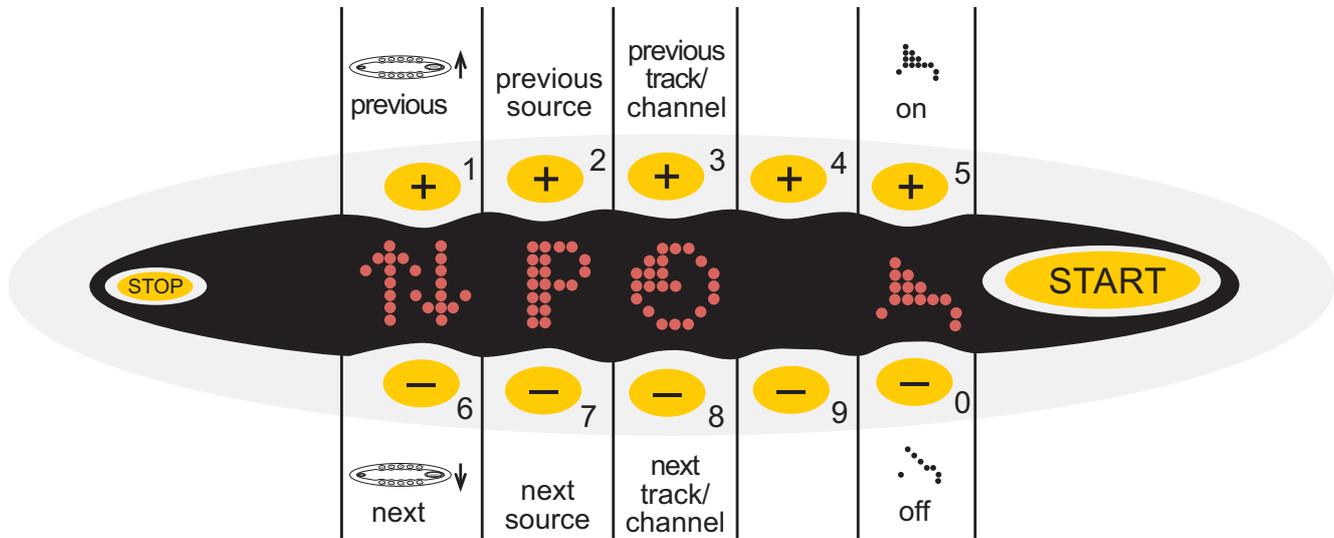
The following section explains all displays and symbols. However, it depends both on the options selected for your tanning system and on the settings made in the service menu which of the displays and symbols are actually available on your Shuttle.

DISPLAY 1



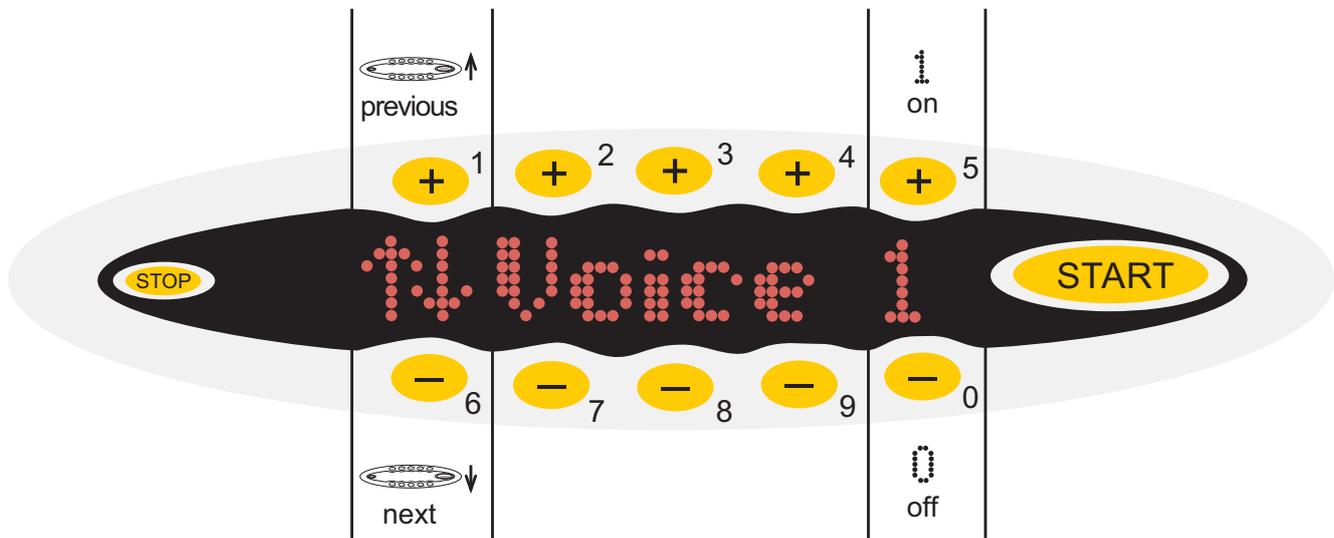
	Display of duration of tanning session, change of volume and fan power		aquaCool: on/off/empty
	Back to previous/forward to next display		Upper-body tanner
	Volume		Body fan

DISPLAY 2



	Back to previous/forward to next display		Next track (with MP3), channel selection (with studio music)
	Selecting one of the audio sources available from the service menu		Back tanner: on/off

DISPLAY 3



	Back to previous/forward to next display		megaVoice: on/off
---	--	---	-------------------

Assuming the tanning position and starting / stopping the tanning session

	 WARNING
	<p>UV radiation UV radiation can cause skin and eye injuries.</p> <ul style="list-style-type: none"> • Observe the tanning instructions. • If in doubt, do not tan.

ASSUMING THE TANNING POSITION

1. Sit down on the seat and lean against the backrest.
2. Press the button on the right-hand armrest in order to adjust the footrest.
3. Pull the canopy of the Shuttle towards the front and then downwards in order to close the tanner.
4. Put on the protective goggles.

STARTING

To start the system during the warm-up time, press the START button. After the set 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 tanning-time display 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.

Adjusting the volume (optional feature)

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

	<p>0-99%</p> <p>While the volume is being adjusted, the value is displayed to the right of the STOP button.</p>
<p>The initial value is set via AUDIO/VOL.HOT and VOL.COOL in the service menu.</p>	

- To **decrease** the volume, press the *minus* button.
- To **increase** the volume, press the *plus* button.
- To **turn off** the sound, use the *minus* button to set the value to 0.

AquaCool (optional feature)

	On
	Off
	aquaCool canister is empty
<p>The initial value (<i>on</i> or <i>off</i>) is set via AAC/AQUA/AQUA in the service menu. The cycle time is defined via the menu item AAC/AQUA/Cycle in the service menu.</p>	

This section applies only to tanning units equipped with aquaCool. Here you can switch the aquaCool spraying on (*plus* button, symbol flashing) or off (*minus* button, symbol not flashing). aquaCool is started according to the presettings made in the service menu. An ongoing spraying process cannot be stopped.

- If the system is running short of aquaCool liquid, the message **Aqua low** is displayed between sessions. After the first message, there is sufficient aquaCool left for approx. 2.5 hours of operation with aquaCool (depending on the preset cycle time; 2.5 operating hours if cycle time=1min).
- If the system has run out of aquaCool liquid, the message **Aqua 0%** appears and the symbol is crossed out. If you wish to continue to operate the unit without aquaCool, you can switch off the messages and the symbol. To do so, go to the service menu and deactivate the submenu AQ of PIN II.

Adjusting the upper-body tanner

	Level I / Level II
---	--------------------

After starting the tanning session, the upper-body tanner starts working on level I. After one minute, its power is automatically raised to level II. Only after this minute has elapsed can the power setting be changed.

- To **reduce** the power, press the *minus* button.
- To **increase** the power, press the *plus* button.

Adjusting the body fan

	20-99%, off While the value is being set, it is displayed to the right of the STOP button.
---	---

The initial value is defined via AIR/A.START in the service menu.

- To **reduce** the fan power, press the *minus* button.
- To **increase** the fan power, press the *plus* button.
- To **turn off** the fan, reduce the power to 20%, then press the *minus* button again and keep it pressed for 0.5 seconds. The fan is turned off after a delay.

Selecting the audio source and track (optional feature)

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

SELECTING AN AUDIO SOURCE

The audio source (Wellness, Pop or Studio Music) is selected via "P" (= program) in display 2. However, a selection is possible only on the condition that at least two sources are available and have been configured in the service menu.

After the start of the tanning program, the audio source defined as the default one in the service menu is selected. If Wellness or Pop has been selected as the default audio source, one title is randomly chosen from the directory and played after the unit has been turned on. After that, the following tracks are played one after the other.

	Indicates that a selection of various audio sources is available. When you have made your choice, the selected source is displayed for a short moment.
WELLNESS	Indicates that you have selected the Wellness tracks.

POP	Indicates that you have selected the Pop tracks.
STUDIO	Indicates that you have selected studio music.

The audio sources to be available are defined via AUDIO/WPS in the service menu. The default source is determined via AUDIO/PRESEL in the service menu.

In order to choose an audio source, proceed as follows:

- Press  to invoke display 2.
- Press the *plus* or *minus* button above or below  just as often as necessary to have the desired audio source displayed.

SELECTING THE AUDIO TRACK AND CHANNEL

When you switch over from Wellness or Pop to Studio Music, the player remembers the title being played at that time and re-starts playing it after switching back.

	This symbol means "next track" in Wellness or Pop mode and "next channel" with the studio music option.
--	---

In order to choose a track or a channel, proceed as follows:

- Press the *plus* button above the symbol to jump to the following title/channel.
- Press the *minus* button below the symbol to jump to the previous title/channel.

Switching the back tanner on/off

	On
	Off
The initial value (on or off) is set via BACKTAN/PRESEL in the service menu.	

- To **turn on** the back tanner, press the *plus* button.
- To **turn off** the back tanner, press the *minus* button.

megaVoice on/off (optional feature)

	On
	Off
The initial value (on or off) is set via BACKTAN/PRESEL in the service menu.	

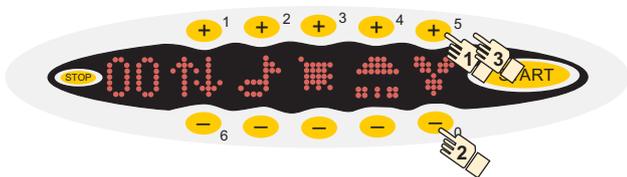
Proceed as follows to switch on or off megaVoice:

- Press  to invoke display 3.
- Press the *plus* or *minus* button above or below  /  to set the desired value.

Standby mode / service mode

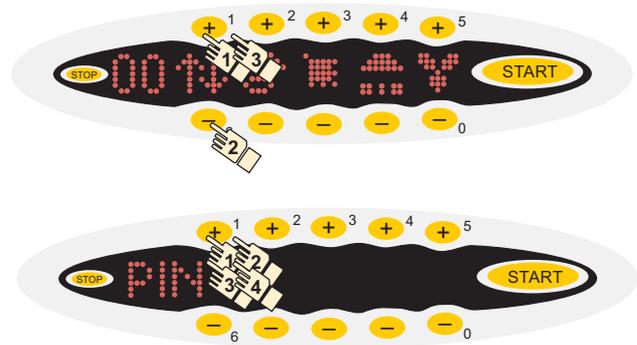
In standby mode, you can turn the decorative lighting of the Shuttle on and off. In service mode, presets for operation in tanning mode are made, and you are prompted for values regarding the operation of the tanning unit.

Turning the decorative lighting on and off



Press the *plus* or *minus* buttons in the indicated order to turn the decorative lighting on or off.

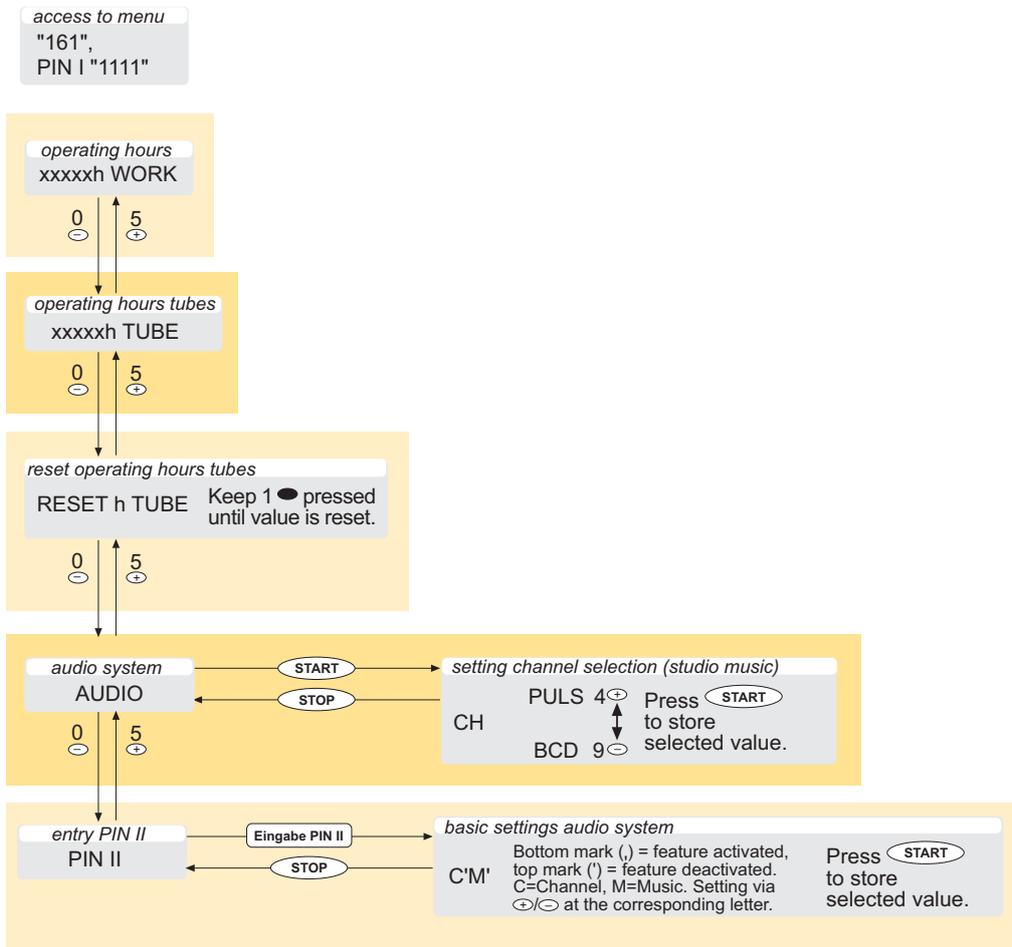
Invoking the service menu



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

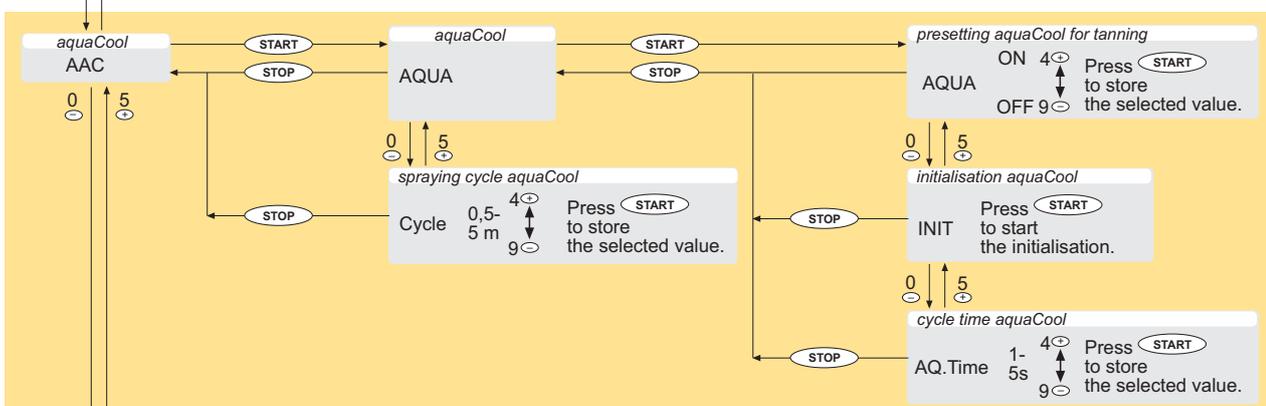
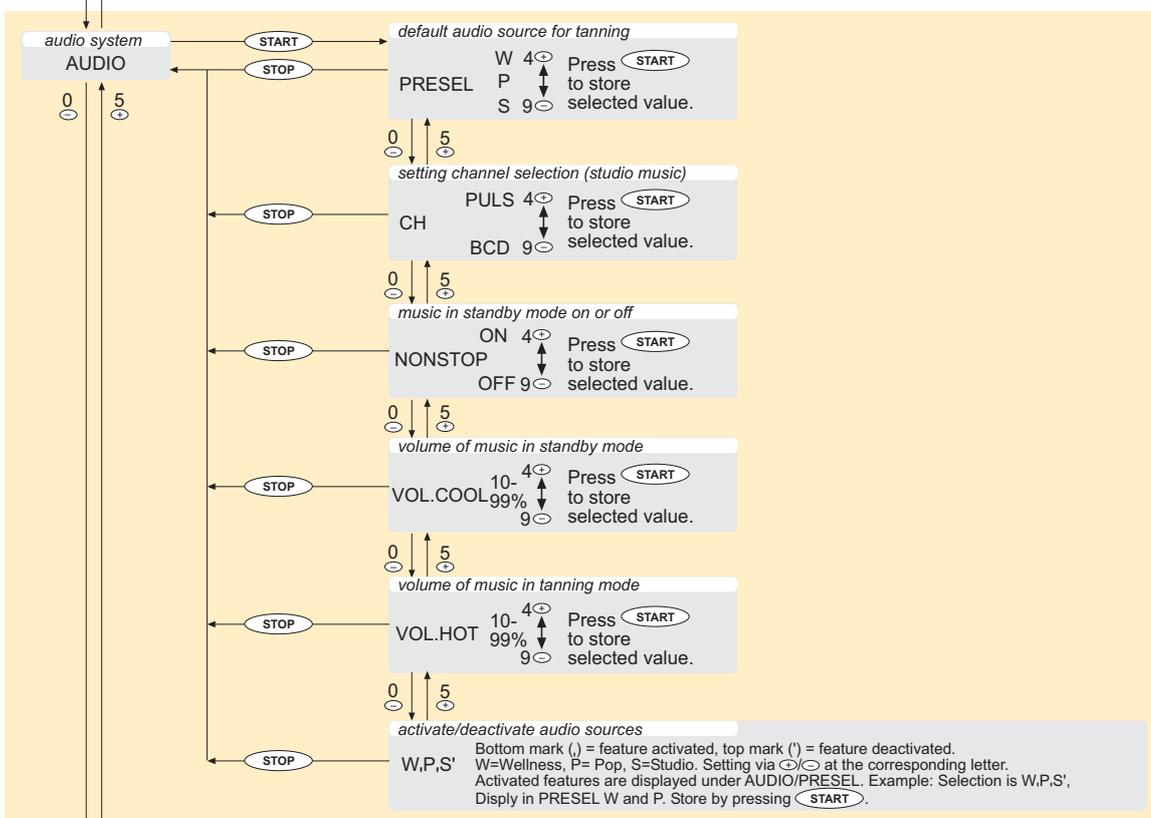
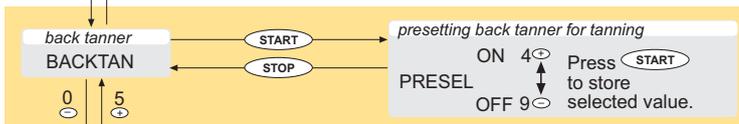
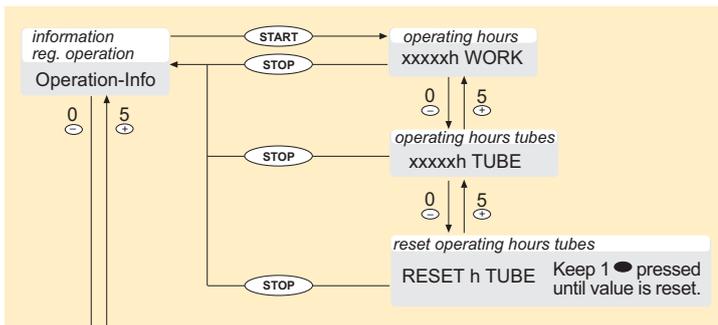
Press the *plus* and *minus* buttons in the indicated order. The service menu is displayed. Some of the menu items can only be opened after having entered another PIN (PIN II). Please get in touch with the KBL service organisation to obtain PIN II.

Overview service menu KBL/5 processor

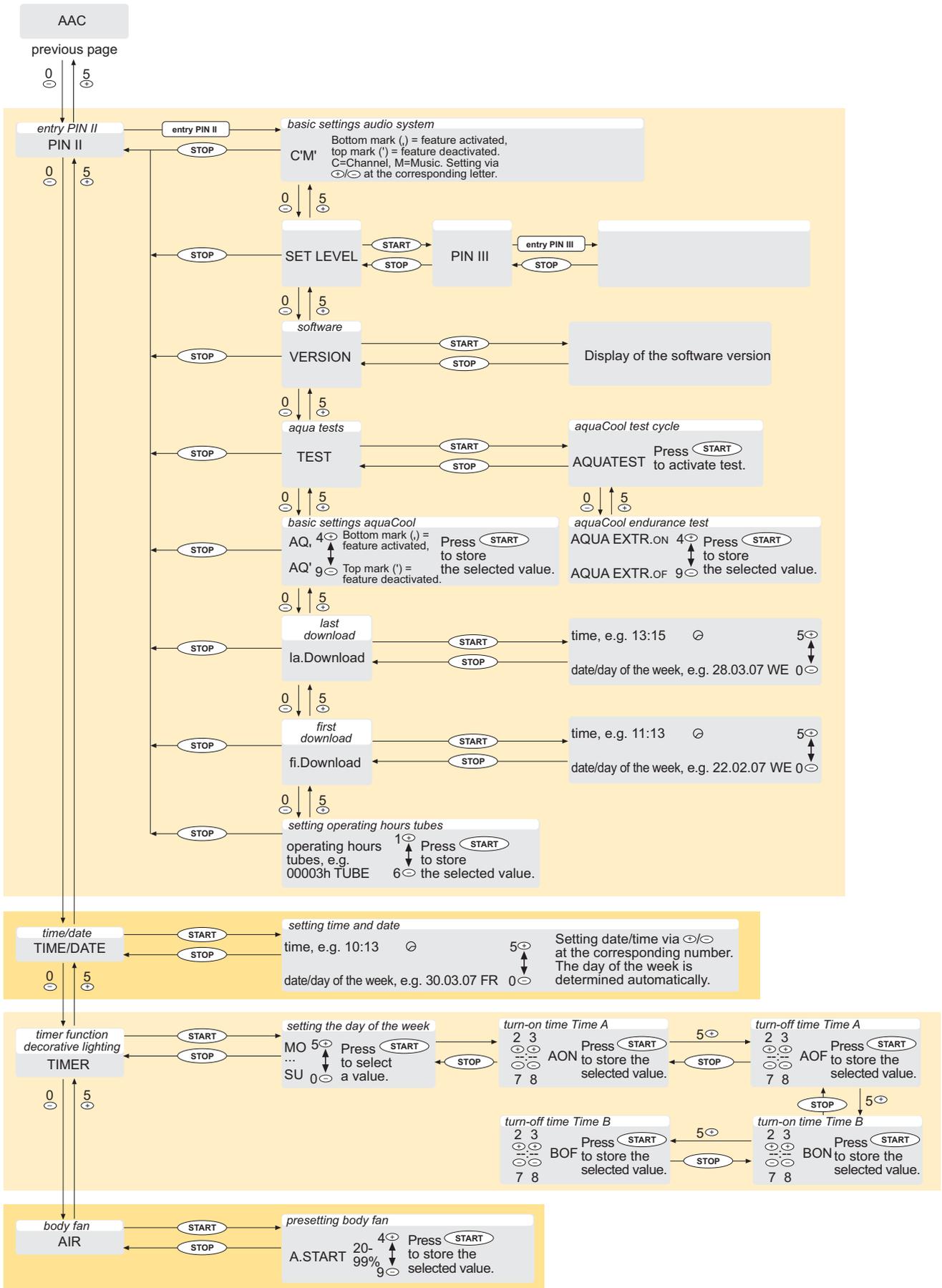


access to menu
"161",
PIN I "1111"

Overview service menu KBL/4 processor



PIN II
next page



Displaying the operating hours of the solarium/of the tubes

Both the operating (working) hours of the solarium (WORK) and the operating hours of the tubes (TUBE) are displayed under the menu item Operation-Info.

1. Invoke the Operation-Info menu.
2. Use START to select the submenu.
3. Press 0 (*minus* button) or 5 (*plus* button) to invoke the displays WORK and TUBE .

Resetting the operating hours of the tubes

Each time you replace the tubes you have to reset the operating hours of the tubes to zero.

1. Invoke the Operation-Info menu.
2. Use START to select the submenu.
3. Press 0 (*minus* button) or 5 (*plus* button) to invoke RESET h TUBE.
4. Press 1 (*minus* button) until the display is set to zero.

Presetting the back tanner

In the menu item BACKTAN you determine whether the back tanner is switched on (PRESEL ON) or off (PRESEL OFF) at the beginning of the tanning session.

1. Invoke the BACKTAN menu.
2. Use START to select the submenu.
3. Press 4 (*plus* button) to set PRESEL ON or 9 (*minus* button) to set PRESEL OFF.
4. Save the settings by pressing START, press STOP to exit the menu.

Setting audio characteristics

BASIC SETTINGS AUDIO SYSTEM

The menu item PIN II/CM is used to make basic settings for the audio system.

C is deactivated if only external channel selection with exactly one channel is available for the unit. The channel-selection symbol is not displayed. M is deactivated in case there is no audio system available. No symbols regarding the audio system are displayed.

1. Invoke the PIN II menu and enter PIN.
2. Set the desired value by using the *plus* and *minus* buttons at the corresponding letter.
3. Save the settings by pressing START, press STOP to leave the menu.

ACTIVATING/DEACTIVATING AUDIO SOURCES

The menu item AUDIO/WPS is used to determine which audio sources are to be made available to the studio guest. W=Wellness, P=Pop, S=Studio. In the case of a top mark (apostrophe, '), the corresponding source is activated while it is deactivated if a bottom mark is shown (comma, ,). All activated sources are listed under AUDIO/PRESEL.

1. Invoke the AUDIO menu.
2. Use START to invoke the submenu and 5 (*plus* button) or 0 (*minus* button) to select PRESEL. Set the desired value by using the *plus* and *minus* buttons at the corresponding letter.
3. Press START to save the settings and leave the menu by pressing STOP.

PRESELECTING AUDIO SOURCES

To determine which audio source is selected as the default source when the tanning session is started, the menu item AUDIO/PRESEL is used. Only sources that are activated under WPS can be selected.

1. Invoke the AUDIO menu.
2. Press START to invoke the submenu and press 5 (*plus* button) or 0 (*minus* button) to select WPS.
3. Preselect the desired source by pressing 4 (*plus* button) or 9 (*minus* button).
4. Press START to save the settings and STOP to exit the menu.

MUSIC IN STANDBY MODE

The menu item AUDIO/NONSTOP is used to determine whether music in standby mode is on (ON) or off (OFF).

1. Invoke the AUDIO menu.
2. Use START to invoke the submenu and 5 (*plus* button) or 0 (*minus* button) to select NONSTOP.
3. Set NONSTOP ON by pressing 4 (*plus* button) or NONSTOP OFF by pressing 0 (*minus* button).
4. Press START to save the settings, and leave the menu by pressing the STOP button.

VOLUME IN TANNING MODE

The menu item AUDIO/VOL.HOT is used in order to determine the volume of the music during a tanning session. The maximum possible volume of the unit is at 100%.

1. Invoke the AUDIO menu.
2. Use START to invoke the submenu and press 5 (*plus* button) or 0 (*minus* button) to select VOL.HOT.
3. Set the desired percentage by pressing 4 (*plus* button) or 9 (*minus* button).
4. Press START to save the settings and STOP to leave the menu.

VOLUME IN STANDBY MODE

To set the volume at which music is played when there is no tanning session in progress, choose the menu item AUDIO/VOL.COOL. The maximum possible volume of the unit is at 100%.

1. Invoke the AUDIO menu.
2. Press START to invoke the submenu and 5 (*plus* button) or 0 (*minus* button) to select VOL.COOL.
3. Set the desired percentage by pressing 4 (*plus* button) or 9 (*minus* button).
4. Save the settings by pressing START and leave the menu by pressing the STOP button.

EXTERNAL CHANNEL-SELECTION PROCEDURE

The external channel-selection procedure is defined via the menu item AUDIO/CH.

1. Invoke the AUDIO menu.
2. Invoke the submenu by pressing START and select CH by pressing 5 (*plus* button) or 0 (*minus* button).
3. Select PULS by pressing 4 (*plus* button) or BCD by pressing 9 (*minus* button).
4. Press the START button to save the settings and leave the menu by pressing STOP.

Setting aquaCool properties

PRESETTING TANNING MODE

Use the menu item AAC/AQUA/AQUA to determine whether aquaCool is started automatically with the tanning session (AQUA ON) or if it is activated by the studio guest (AQUA OFF).

1. Invoke the AAC menu.
2. Invoke the submenu by pressing START twice; then press 5 (*plus* button) or 0 (*minus* button) to select AQUA.
3. Select AQUA ON by pressing 4 (*plus* button) or AQUA OFF by pressing 9 (*minus* button).
4. Save the settings by pressing START and exit the menu by pressing the STOP button.

SETTING THE AQUACOOL CYCLE TIME

The menu item AAC/AQUA/Cycle is used to set the interval between spraying cycles: between 0.5 and 5 minutes.

1. Invoke the AAC menu.
2. Press START to invoke the submenu and 5 (*plus* button) or 0 (*minus* button) to select Cycle.
3. Set the cycle time by pressing 4 (*plus* button) or 9 (*minus* button).
4. Press the START button to save the settings and leave the menu by pressing STOP.

SETTING THE AQUACOOL SPRAYING TIME

The menu item AAC/AQUA/AQ.Time is used to set the duration of a spraying cycle: between 2 and 6 seconds.

1. Invoke the AAC menu.
2. Press the START button twice to invoke the submenu, then select AQ.Time by pressing 5 (*plus* button) or 0 (*minus* button).
3. Select the spraying time by pressing 4 (*plus* button) or 9 (*minus* button).
4. Save the settings with START and press STOP to leave the menu.

ACTIVATING/DEACTIVATING AQUACOOL

The menu item PIN II/AQ is used to activate the aquaCool function (top mark) or to deactivate it (bottom mark). If the function is deactivated, the aquaCool symbol is not displayed, and the studio customer cannot activate aquaCool.

1. Invoke the PIN II menu and enter the PIN.
2. Select AQ via 5 (*plus* button) or 0 (*minus* button).
3. Activate the function by pressing 4 (*plus* button) or 9 (*minus* button).
4. Save the settings by pressing START and exit the menu by pressing the STOP button.

AquaCool tests

AQUACOOL TEST CYCLE

The menu item PIN II/TEST/AQUATEST allows for starting a spraying cycle to test the spraying function.

1. Invoke the PIN II menu and enter the PIN.
2. Press 5 (*plus* button) or 0 (*minus* button) to select TEST.
3. Press START to select the submenu AQUATEST. Activate the test via START.

AQUACOOL ENDURANCE TEST

Under the menu item PIN II/TEST/AQUA EXTR. you can determine whether an aquaCool endurance test is to be started with the following tanning session. This test has a cycle time of 5 minutes and covers the whole of the tanning time.

1. Invoke the PIN II menu and enter the PIN.
2. Press 5 (*plus* button) or 0 (*minus* button) to select TEST.
3. Press the START button to invoke the submenu and 5 (*plus* button) or 0 (*minus* button) to select AQUA EXTR..
4. Select AQUA EXTR. ON by pressing 4 (*plus* button) or AQUA EXTR. OFF by pressing 9 (*minus* button).

Initialising aquaCool

The menu item AAC/AQUA/INIT is used to start the initialisation of aquaCool. During this process, the hose is filled with aquaCool liquid. The initialisation process must be performed during start-up and after each emptying of the hose.

1. Invoke the AAC menu.
2. Press START twice to invoke the submenu and then press 5 (*plus* button) or 0 (*minus* button) to select INIT. Activate the initialisation by pressing START.
3. Save the settings with START and press STOP to exit the menu.

Querying software information

VERSION

Select the menu item PIN II/VERSION to display the name and number of the installed software version. This information is also displayed for approx. 2 seconds after the unit has been switched on.

1. Invoke the PIN II menu and enter the PIN.
2. Press 5 (*plus* button) or 0 (*minus* button) to select VERSION.
3. Press START to display the version information.

DOWNLOAD

The menu items PIN II/La.Download and PIN II/Fi.Download indicate time and date of the latest (La.Download) or of the first (Fi.Download) software download.

1. Invoke the PIN II menu and enter the PIN.
2. Select La.Download or Fi.Download by pressing the button 5 (*plus* button) or 0 (*minus* button).
3. Press the START button to display the corresponding information.

Carrying out a tube reset

Under the menu item PIN II/xxxxxxh (e.g. 00150h) TUBE, the current operating hours of the tubes are indicated. The tube working hours can be set in steps of 5 hours. After a tube replacement, this display must be reset to zero.

1. Invoke the PIN II menu and enter the PIN.
2. Select the display of tube working hours (e.g. 00150h TUBE) by pressing 5 (*plus* button) or 0 (*minus* button).
3. Reset the display to zero by pressing 6 (*minus* button).
4. Save the settings via the START button and leave the menu by pressing STOP.

Setting date and time

The current time and date are set within the menu item TIME/DATE. This information is required for the proper execution of the timer function for the decorative lighting. Date and time are displayed for approx. 2 seconds after the unit has been turned on.

1. Invoke the TIME/DATE menu.
2. Choose the time via START and set the time by pressing the *plus* or *minus* buttons at the corresponding number.
3. Choose the date via 5 (*plus* button) or 0 (*minus* button) and set the date via the *plus* or *minus* buttons at the corresponding number. The day of the week is determined automatically.
4. Save the settings via START and press STOP to exit the menu.

Setting the timer function for the decorative lighting

The menu item TIME/DATE allows you to enter two times per day at which the decorative lighting is switched on and off (e.g. Monday at 10:00 h on, at 22:00 h off, Tuesday at 11:00 h on, at 22:00 h off, etc). If a switching time is not required, it can be deleted by pressing 1.

1. Invoke the TIMER menu.
2. Select the days of the week with START and then press 5 (*plus* button) or 0 (*minus* button) to set the desired day.
3. Press START to invoke AON and set the desired time via the *plus* and *minus* buttons 2, 3, 7, 8. Press START. Proceed in the same way for AOF, BON and BOF.
4. Press STOP to leave the menu.

Presetting of the body fan

The menu item AIR/A.START is used to determine the fan power at the beginning of the tanning session. Adjustable from 20-99%. During the tanning session, the studio guest can modify the fan power or switch of the fan.

1. Invoke the AIR menu.
2. Press START and set the desired value by pressing 4 (*plus* button) or 9 (*minus* button).
3. Save the settings by pressing START and leave the menu via the STOP button.

Maintenance and cleaning

Regular maintenance is required for the safe operation of the tanning systems and must be documented. Cleaning must be performed when necessary.

⚠ DANGER

Live parts

Risk of fatal injury 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.

- USE ONLY ORIGINAL SPARE PARTS.
- Replace illuminants and filters only with ones of the same type.

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.
- Cleaning fluid must not run 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

- If possible, use the special cleansing agent and disinfectant “megaClean” supplied by KBL for cleaning the acrylic panes, and dilute it in water at a ratio of 1:13.

HAND TANNERS

- To clean the handrests, also use the special cleansing agent and disinfectant “megaClean” supplied by KBL and dilute it in water at a ratio of 1:13. Spray it directly on the surfaces of the handrest and clean it with a cloth.

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/care	Replacement
Tubes and starters	Tubes after approx. 200 operating hours	After 500 operating hours
Lamps	-	After 500 operating hours
Acrylic panes	When necessary	After approx. 3000 operating hours
aquaCool nozzles	When necessary	After approx. 1000 operating hours
Drive of the upper-body tanner	With each lamp replacement, grease the ropes and tension the springs	Replace ropes after 3000 operating hours

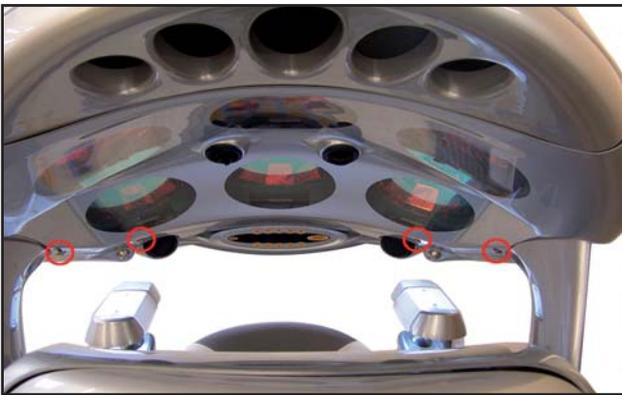
Removing and installing filter panes

The dismantling of the filter panes is required for cleaning and replacing the tanning lamps as well as for cleaning the filter panes themselves.

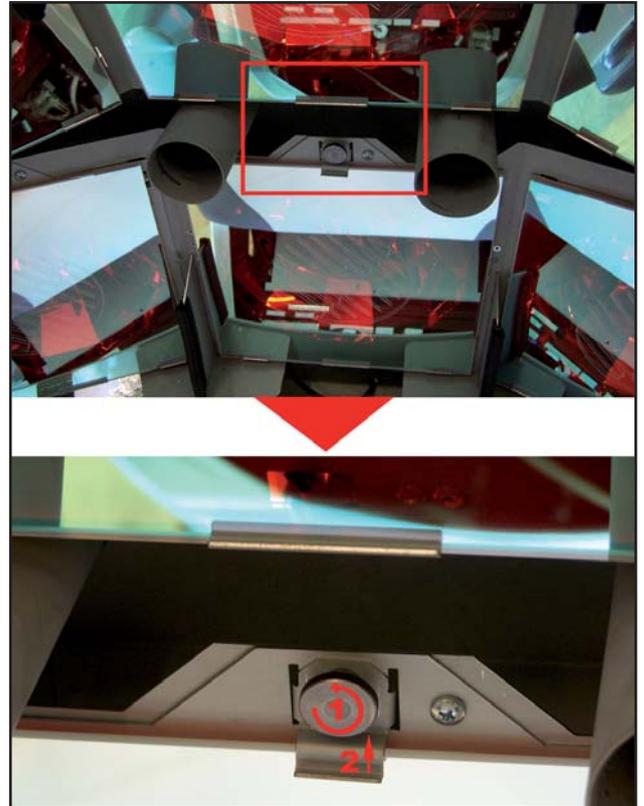
	⚠ DANGER
	<p>Excessive dose of UV radiation</p> <p>If the UV radiation of the facial tanner is not sufficiently filtered, the skin and the eyes will be damaged severely.</p> <ul style="list-style-type: none"> Never operate the tanning system with a defective filter pane. Carry out visual inspections regularly! Replace filter panes only with ones of the same type! Filter panes must only be mounted and removed by trained expert staff.

The panes are removed as follows:

1. Remove the acrylic pane of the upper-body tanner. To do so, undo 4 screws on the inner front side and 2 further screws on each of the outer side parts.



2. Undo the knurled screw at the filter pane. Push the filter-pane holder upwards and remove the filter pane.



3. Assembly is performed in reverse order.

Cleaning and replacing the tubes

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

1. Dismantle the back pane. To do so, undo two screws on each of both sides.



2. Remove the tube covers of the hand tanner. Also remove the protective grid if there is one installed.
3. Remove the tubes by turning each tube a quarter to the right or to the left and then pulling it out.
4. When cleaning the tubes, use warm water and a chamois. Do not use any aggressive or alcohol-containing cleansing agents.
5. Before replacing the tubes, replace the starters first. The starters for the hand tanners are located

below the seating surface.



6. Installing the tubes: Make sure that the inscription on the tubes is visible, or otherwise there will be no tanning effect.



7. Assembly is performed in reverse order.
8. Reset the counter for the operating hours of the tubes in the service menu.

Replacing the lamps of the upper-body tanner

Replace the lamps only by ones of the same type. The sunlamps may only be installed and removed by trained expert staff.

1. Remove the acrylic pane and the filter panes as described in the chapter "Removing and installing filter panes".
2. Use a soft cloth to take hold of the lamp and pull it out towards the front. Make sure not to touch the lamp glass or the reflector surface with your bare hands. If required, clean the bulb and the reflector surface with an alcohol-containing agent.
3. When installing the lamps, pay attention to the fact the prongs have different diameters. When inserting the lamp into the socket, the metal bail should face upwards. Soiling and bad seating can lead to damage to the lamps and sockets during operation. Therefore, make sure that the contact surfaces of socket and lamp are clean when you insert the lamps. Insert the lamps straight into the sockets so as not to jam them.



Maintaining the drive of the upper-body tanner

Ropes and springs serve as a drive to swivel the upper-body tanner into its position of use. To ensure a trouble-free drive, maintenance of the mechanism must be carried out with each lamp replacement.

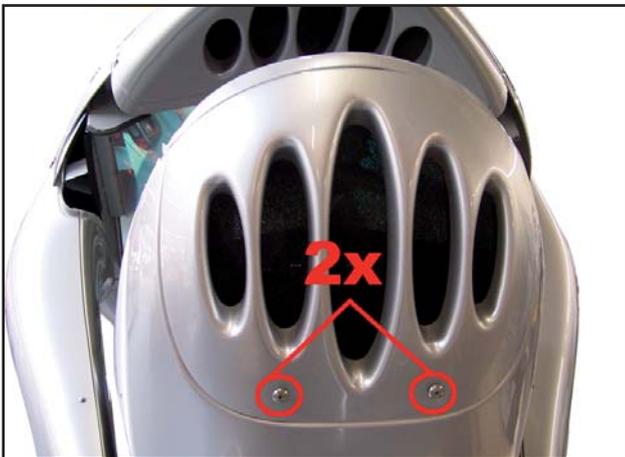
1. Undo the screws holding the covers of the seat base and remove the covers.



2. Unscrew 2 screws each on the right-hand and on the left-hand side of the back pane.



3. Remove the upper part of the backrest cover of the seat (a total of 4 screws).



4. Remove the lower part of the seat cover (a total of 4 screws).



With some units, the lower part of the seat cover is also screwed under the upper part of the seat cover. If this is the case, also remove these screws. Then remove the cover from the tanner.

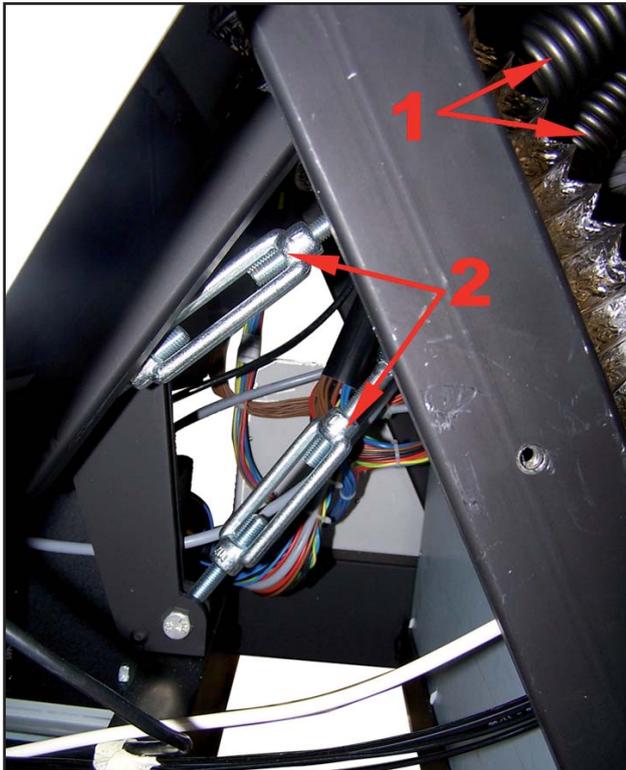
5. Grease the drive ropes with copper paste.



6. Remove the ballast board.



7. Tighten the two springs of the upper-body tanner in such a way that the canopy part remains still and stable in any position (1 = springs, 2 = tensioner).



Replacing the decorative lighting

The canopy part of the Shuttle 360° contains tubes for the lighting of the unit.

1. Peel off the logo from the upper part and remove the centre screw.



2. Lift the canopy cover slightly, then turn the lighting tube a quarter to the side and take it out.



3. Replace the lighting tube.
4. Fasten the cover and stick the logo on again.

Changing the SD card in the MP3 player

1. Remove the seating surface.
2. Loosen the covering plate, tilt it slightly and extract it towards the backrest.



3. Push the SD card slightly into the MP3 player and then remove it. You can now replace the card or upload new music to it.



4. Insert the SD card, fasten the covering plate and the seating surface.



5. Re-start the device. To do so, pull out the main plug and plug it in again. In this way, you make sure that the MP3 player will identify the SD card.

Recording to an SD card

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

Using the SD Writer software (download from www.kbl-support.de/software/software.html), you can add or delete audio files to the SD card for music at your convenience. These tracks are played after the corresponding source has been selected. The number of files is limited by the storage capacity of the SD card.

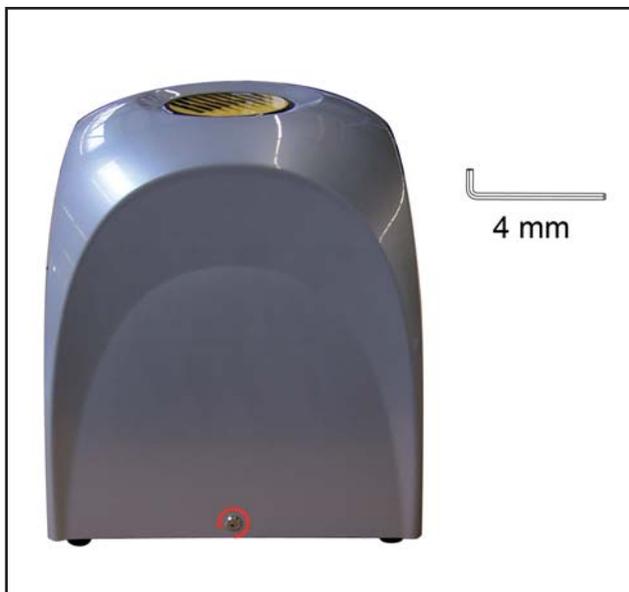
The SD card may only be formatted with FAT16.

1. Insert the card into the computer.
2. Call SD Writer and copy files onto the card.
3. Insert the card into the MP3 player.
4. Re-start the device. To do so, pull out the main plug and plug it in again. In this way, you make sure that the MP3 player will identify the SD card.

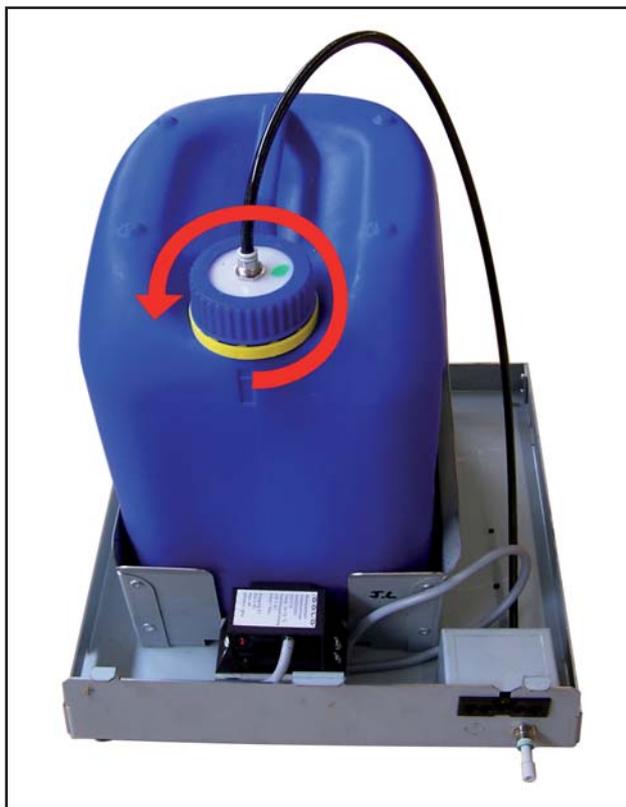
Replacing the aquaCool canister

Undo the cover of the aquaCool box and remove it.

1. Open the aquaCool box



2. Unscrew the lid from the canister and place the hose into a plastic bag so as it does not get dirty. Remove the empty canister.



3. Screw the lid including the hose back onto the canister again. Do not use anything except "aquaCool" from KBL; otherwise you run the risk of choked nozzles and your customer catching infections.



- Hinge the cover and screw down the aquabox again.



Replacing the aquaCool nozzles

After 1000 hours of operation, the aquaCool nozzles must be replaced in order to ensure that the aquaCool system functions properly. The assembly instructions come along with your spare parts.

System messages

Problem	Possible cause	Remedy
Tanning system does not operate	No voltage supply	Check whether the power supply is switched on.
	No enabling signal from the coin-box system	Check the coin-box system (simulate the enabling).
	No control voltage	Check the fuses.
One or more lamps do not work	Lamp not correctly positioned in its socket	Turn the lamp in the socket.
	Lamp defective	Replace the tanning lamp.
	Ballast or igniter defective	Check the devices and replace, if necessary.
	Voltage supply partly interrupted	Check the mains supply.
Unit overheats	Fan is not running	Check the fan.
	Insufficient aeration and ventilation of the booth (inflow temperature too high)	Measure the ambient temperature.
Error message	Possible cause	Remedy
Th.Ablüfter	Bi-metal switch triggers	Check the air-intake/air-discharge system. Let the tanning system cool down and acknowledge the message by pressing the STOP button. If the fault persists, contact Customer Service.
Bus Error	I ² C bus faulty	Check the patch cable and the correct position of the SD card. If the fault persists, contact Customer Service.

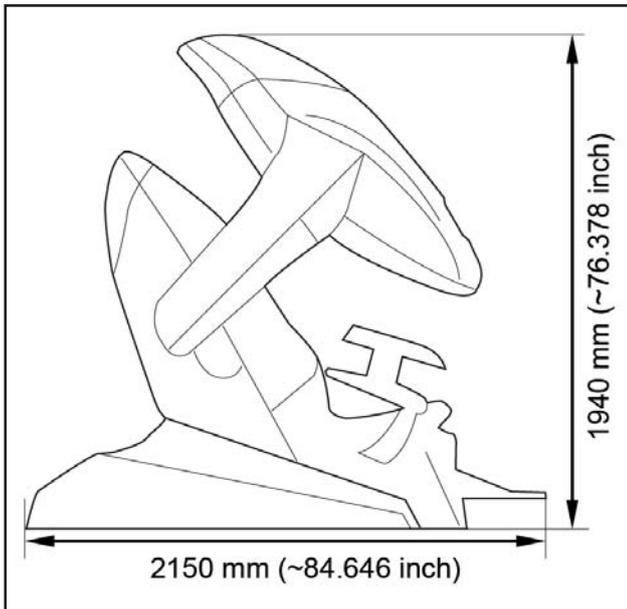
Service

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

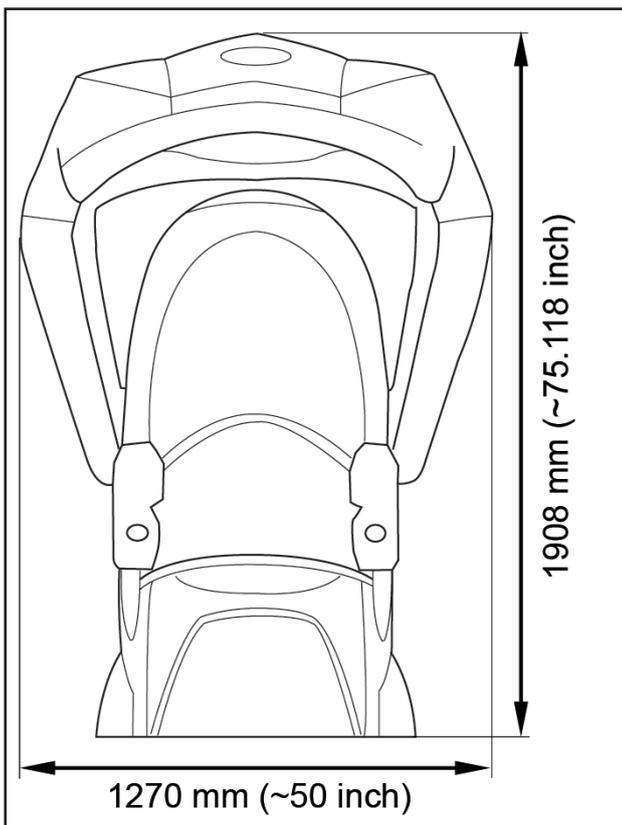
Technical data

Ambient conditions	
Installation site	In dry rooms (booths) with sufficient airing and ventilation <ul style="list-style-type: none"> • Relative humidity: ≤ 70% • Room temperature: ≤ 30°C • Minimum height of the room: 2270 mm
Electrical connection values	
Mains voltage	400 V / ~ 3 N / 50 Hz
Wire cross section	5 x 4 mm ² "Ölflex"
Fuses	Automatic fuse K-type, 3-pole, 3x 16 A with residual current-operated circuit breaker (FI)
Nominal power	4000 W
Unit data megaSun Shuttle 360°	
LEVEL 1 according to EN 60335-2-27 -> 0,3 W/m ²	
Upper-body tanner	6x megaSun 700
Back tanner	13x megaSun Ultimate III 40 (0641 R 40W)
Hand tanner, per side	2x megaSun Ultra Power R 15W
Dimensions in mm (Height x Width x Depth)	2150 x 1270 x 1908 (when open) 2150 x 1270 x 1940 (when closed)
Weight	approx. 390 kg
MP3 player	<ul style="list-style-type: none"> • Supports SD cards up to 1 GB • Supported file systems of SD card: FAT (FAT16) • Supported MP3 files: constant and variable bit rate, 96-320 Kbit/s

LATERAL VIEW/CLOSED



FRONT VIEW/OPEN



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