



KBL



pureENERGY 5.0

Operating Instructions



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Control / Software version: KBL-7 / 01.27

Item no.: 0100036632

Device name [tech.]: T5213

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General information

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.

Transport by forklift truck

The box with the tower 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 must be transported individually to the place of installation, e.g. using a dolly. Depending on the weight of the components, lifting them might require several people.

Environmental regulations (disposal of lamps)

Fluorescent lamps contain fluorescent materials and other waste products containing mercury. Some areas of the USA and Canada have specific regulations regarding disposal of these waste. Please check the laws in your area and act in accordance with municipal waste regulations. Please retain proof of proper disposal of lamps. Your local regulatory agency can assist you with the disposal of lamps. Report the number of lamps to your local agency by telephone or in writing. The regulatory agency can provide you with a delivery point for your lamps or will take care, in conjunction with a disposal company, of the collection and proper disposal of the lamps (Fees for this may apply). Please contact your code enforcement officials for more information regarding laws governing disposal of these components in your area.

Service

REPAIRS - SERVICE - REPLACEMENT - PARTS AND LAMPS - EYE PROTECTION

If you are in need of any of the above mentioned products or services, you should contact:

PC Tan, Inc.
 1040 Wilt Avenue
 Ridgefield, NJ 07657, USA
 1-800-FAST TAN (327-8826)

NOTE: All repairs and replacement components including, but not limited to protective eyewear, lamps, timers and acrylic must be in compliance with CFR 21 1040.20.

Safety notes

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.

General safety advice

	<p>WARNING - ULTRAVIOLET RADIATION - FOLLOW INSTRUCTIONS - FAILURE TO USE PROTECTIVE EYEWEAR MAY RESULT IN SEVERE BURNS OR OTHER EYE INJURY - IF DISCOMFORT DEVELOPS, DISCONTINUE USE AND CONSULT A PHYSICIAN.</p>
	<p>ATTENTION - RAYONNEMENTS ULTRAVIOLETS - VEUILLEZ SUIVRE LES INTRUCTIONS - SANS DISPOSITIF DE PROTECTION DES YEUX, CE PRODUIT PEUT CAUSER DES BRÛLURES OU LÉSIONS OCULAIRES GRAVES - SI VOUS SENTEZ UN MALAISE, EN DISCONTINUER L'USAGE ET CONSULTER UN MÉDECIN.</p>
<p>DANGER - Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reaction. Repeated exposure may cause premature aging of the skin and cancer. Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunbed if you are using medications or have a history of skin problems or believe yourself especially sensitive to sun light. If you do not tan in the sun you are unlikely to tan from use of this product. Children, the elderly, or fair skinned people who always burn easily and either never tan or tan minimally should not use this equipment.</p>	
<p>DANGER - Eviter surexposition. Comme avec la lumière naturelle du soleil, la surexposition peut causer lésions aux yeux et à la peau et réactions allergiques. Une exposition répétée peut causer un vieillissement prématuré de la peau et cancer. Médicaments et cosmétique peuvent augmenter votre sensibilité aux rayons ultraviolets. Consulter un médecin avant d'utiliser la lampe à ultraviolets si vous utilisez médicaments, si vous avez problèmes de peau ou si vous croyez vous êtes particulièrement sensibles au rayons du soleil. Si vous ne bronzes pas avec le soleil c'est improbable que vous pouvez vous bronzer en utilisant ce produit. Enfants, personnes âgées, ou personnes à peaux très claire, qui de plus sont très sensibles à un coup de soleil et ne brunissent pas ou très peu ne doivent pas utiliser cet appareil de bronzage.</p>	
<p>Part No. 3010370800</p>	

<p>This device is intended to be used by only one person at a time. Stand in the middle of the booth, with body positioned at equal distance from the surrounding lamps.</p>	<p>DO NOT REMOVE THIS LABEL Read the instruction booklet before using tanning system</p>	<p>This product is in conformity with performance standards for sunlamp products under No. 21 CFR 1040.20. This appliance is intended to be used with the following lamps:</p>																									
<p>CAUTION: EXPOSURE POSITIONS OTHER THAN SPECIFIED MAY RESULT IN OVEREXPOSURE AND ARE NOT RECOMMENDED.</p>	<p>RECOMMENDED EXPOSURE SCHEDULE Tanning can begin at a regular basis by gradually increasing the exposure times until maximum tanning has occurred (in approx. 4 weeks). MAXIMUM EXPOSURE TIME: 10 minutes.</p>	<p>megaLine 2052 R 200W</p>																									
<p>Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Skin type</th> <th style="text-align: center;">Week 1 1st - 3rd Session</th> <th style="text-align: center;">Week 2 4th - 6th Session</th> <th style="text-align: center;">Week 3 7th - 9th Session</th> <th style="text-align: center;">Subsequent Weekly Session</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">II</td> <td style="text-align: center;">2 min</td> <td style="text-align: center;">4 min</td> <td style="text-align: center;">4 min</td> <td style="text-align: center;">7 min</td> </tr> <tr> <td style="text-align: center;">III</td> <td style="text-align: center;">2 min</td> <td style="text-align: center;">4 min</td> <td style="text-align: center;">5 min</td> <td style="text-align: center;">8 min</td> </tr> <tr> <td style="text-align: center;">IV</td> <td style="text-align: center;">2 min</td> <td style="text-align: center;">4 min</td> <td style="text-align: center;">5 min</td> <td style="text-align: center;">9 min</td> </tr> <tr> <td style="text-align: center;">V</td> <td style="text-align: center;">2 min</td> <td style="text-align: center;">5 min</td> <td style="text-align: center;">5 min</td> <td style="text-align: center;">10 min</td> </tr> </tbody> </table>	Skin type	Week 1 1st - 3rd Session	Week 2 4th - 6th Session	Week 3 7th - 9th Session	Subsequent Weekly Session	II	2 min	4 min	4 min	7 min	III	2 min	4 min	5 min	8 min	IV	2 min	4 min	5 min	9 min	V	2 min	5 min	5 min	10 min	<p>For replacement lamps, eyewear or parts please contact: PC Tan, Inc. 1040 Wilt Avenue Ridgefield, NJ 07657, USA</p>
Skin type	Week 1 1st - 3rd Session	Week 2 4th - 6th Session	Week 3 7th - 9th Session	Subsequent Weekly Session																							
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IV	2 min	4 min	5 min	9 min																							
V	2 min	5 min	5 min	10 min																							
<p>Wear protective eyewear. Eyewear: Schmerler GmbH, No. 2255</p>	<p>Do not tan more than once in a 24 hour period.</p>	<p>Part No. 3010371559</p>																									

Read the instruction booklet before using this device. This device must be operated with an external timer that is specified in chapter „Timer controlled operation“. This device may be used only by persons over 18 years and is intended to be used by only one person at a time. To use, stand in the middle of booth, with body positioned an equal distance from the surrounding lamps. CAUTION: THE USE OF ANY OTHER POSITION MAY RESULT IN OVEREXPOSURE.

Tanning can begin on a regular basis. An appearance of tanning normally appears after a few exposures and maximizes after four (4) weeks of exposure.

WARNING: As the device is intended to be used by only one person at a time, only one (1) pair of protective eyewear is provided with each KBL tanning device. Use protective eyewear whenever equipment is energized. Read the instruction booklet before using.

Follow the exposure schedule (see chapter „Exposure schedule“) in accordance with your skin type. Failure to do so may result in overexposure. However, regardless of how dark an individual may tan on this system, it will not provide adequate protections against overexposure to natural sunlight or UVB tanning systems.

SKIN TYPE II - This is the individual that usually burns easily and severely, tans minimally or lightly and peels

SKIN TYPE III - Often referred to as „AVERAGE“ complexion. Burns moderately and tans about average

SKIN TYPE IV - This individual burns minimally, tans easily and above average with each exposure

SKIN TYPE V - This individual rarely burns, tans easily and substantially

Duties of the operator

KBL 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 – especially tubes and burners – have to be used, otherwise operating authorization and terms of guarantee will become invalid.

FURTHER INSTRUCTIONS

- Follow all instructions given in this manual. In addition to that, observe all applicable statutory provisions and regulations, also those applicable in the country of operation.
- The appliance may only be installed and assembled by specifically trained staff.
- Arbitrary modifications or conversions of the equipment are non-permissible.
- Observe all danger signals and safety signs attached to the equipment.
- Safety signs must not be removed, and safety appliances must not be disabled.
- The unit may only be operated when in perfect working condition.
- Never operate the tower with the outer covering removed or with the acrylic panes removed.
- The tanning system has to be controlled via a timer that complies with the generally applicable standards.
- Pay attention to the load limit of the bed pane (tanning bed units only).

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.

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 tower:

- 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

Updating the system software

ATTENTION	
	<p>Risk of damage by switching off the power supply voltage.</p> <p>Disconnecting power supply during the update process, will lead to damage of electronic components.</p> <ul style="list-style-type: none"> • Make sure that the unit is not disconnected from the power supply voltage during the update.

To accomplish the update download the “USB-Connect” software offered by KBL. For detailed information press the help-button in the main menu.

Timer controlled operation

This device must be operated with an external timer that is listed in compliance with UL 917.

If the external timer fails, the device is automatically switched off by an internal timer after the TE-time of the respective type of device.

The maximum tanning time must not be exceeded.

Guidelines for the use of protective eyewear

Before use, the length of the elastic strap must be adjusted to the required head size.

For maximum protection to elevate stray light, the eye protection must fit securely and comfortably on the eyelids. If is any stray light from the sides or under the rim of the lens, DO NOT USE this eye protection. Ask the studio staff to recommend an alternative eye protection.

Never use eye protection lenses that are broken, cracked, bleached out, or otherwise damaged.

Wearing a hair net

Studio clients with long hair must wear hair nets during tanning sessions to ensure safety.

Description of the unit

Standards

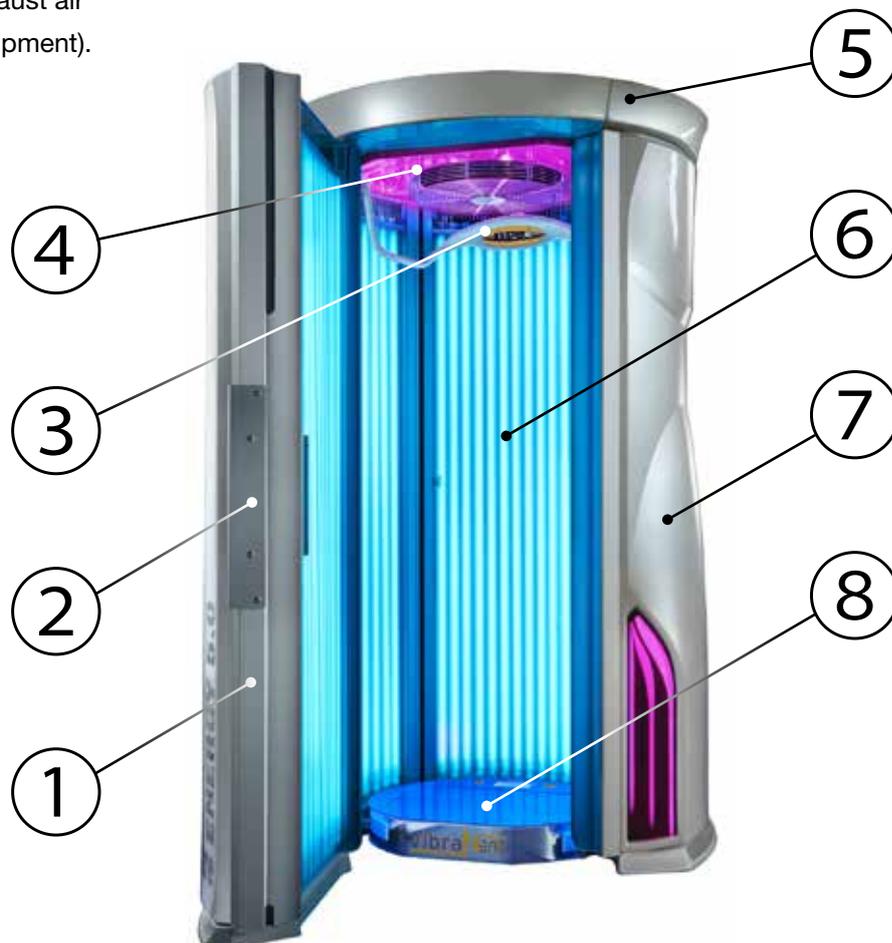
This product is in conformity with performance standards for sunlamp products under No. 21 CFR 1040.20.

Components

The tanning unit basically consists of the following components:

- Two side parts, comprising 12 tubes each.
- Rear part including 14 tubes.
- Door including 14 tubes.
- Ceiling including fan and control element.
- Base plate.
- Casing of central exhaust air module (optional equipment).

①	Door
②	Door handle
③	Ceiling grab handle with integrated control element
④	Ceiling design element with integrated fan
⑤	Top crown
⑥	Rear wall
⑦	Lateral part
⑧	vibraNano (optional equipment)



Functionality

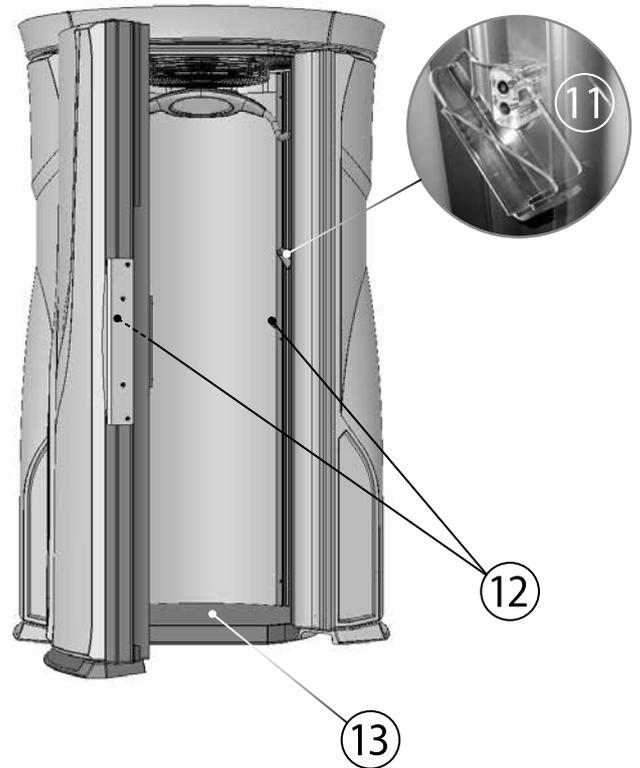
The "Tower pureEnergy 5.0" tanning unit (simply called "Tower" in the following) is intended for use for the tanning of one single adult person at a time; this person must have a skin type that tolerates tanning. The client is standing upright while tanning. Thanks to its vertical construction form, the unit can also be operated under limited space conditions.

The Tower can be of the circulating-air type or the exhaust-air type. For the circulating-air type, the purpose of the ceiling fan ④ is to cool down both the tubes and the client's body.

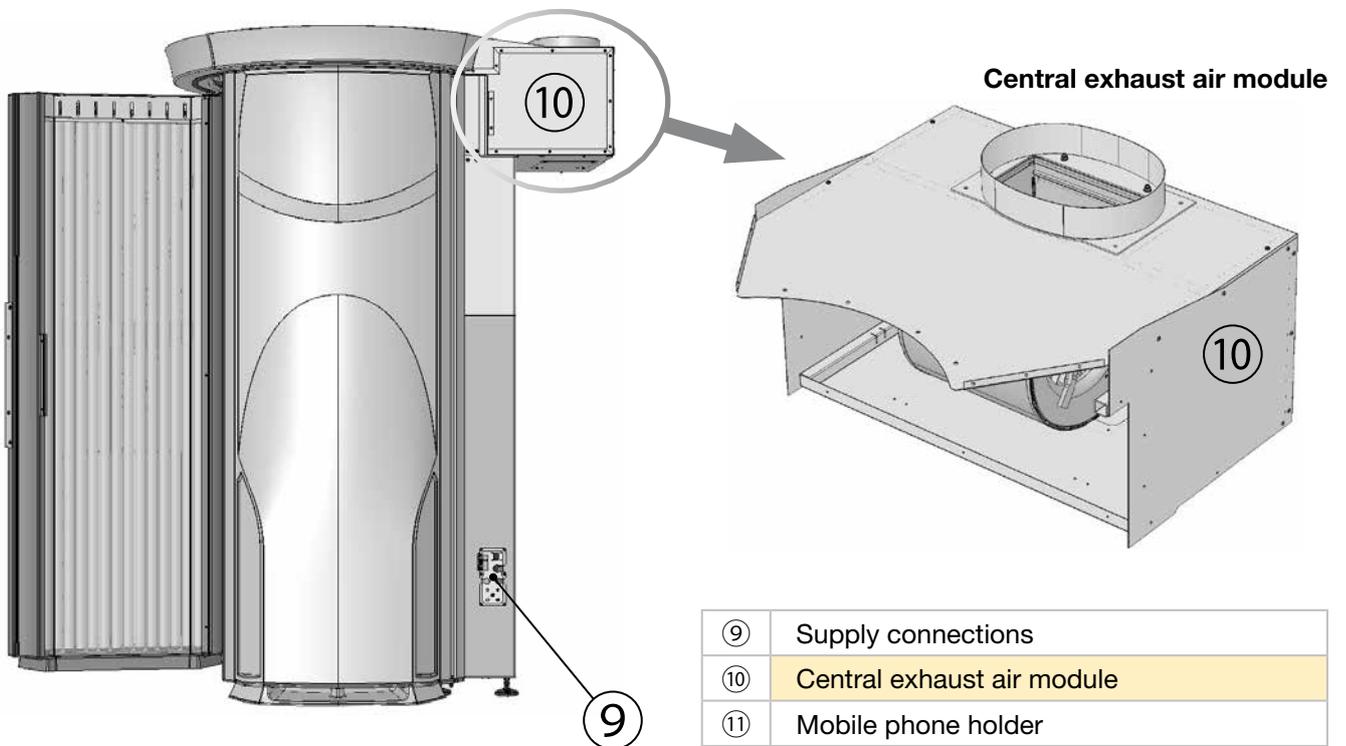
Equipped with the optionally available central exhaust-air module ⑩, the ceiling fan cools down the tubes.

Apart from this, the two operating modes differ from each other with regard to fan control and ceiling crown.

Front view, door opened



Side view (RHS), door opened

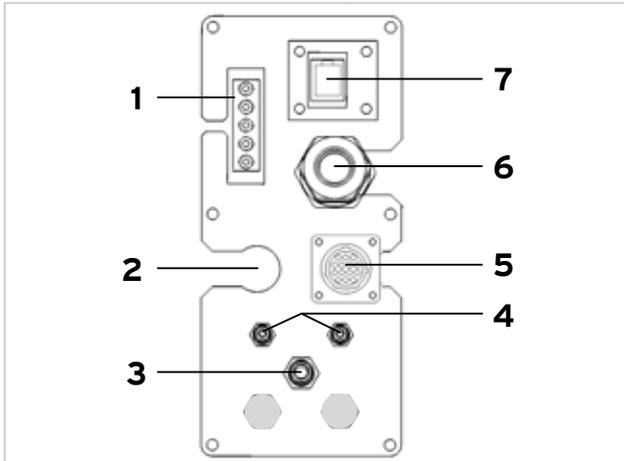


Central exhaust air module

⑨	Supply connections
⑩	Central exhaust air module
⑪	Mobile phone holder
⑫	aquaCool nozzles
⑬	Base plate

Connections

Overview - supply connections



1	Mains voltage aquaCool box
2	Audio connection / channel selection
3	aquaCool - air (blue)
4	aquaCool - liquid
5	Connection of external timer (coin-box system)
6	Power supply
7	Data cable Tower/aquaCool-Box

Connecting the mains voltage

⚠ DANGER

Live components

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

- Switch neutral and secure against reconnection.

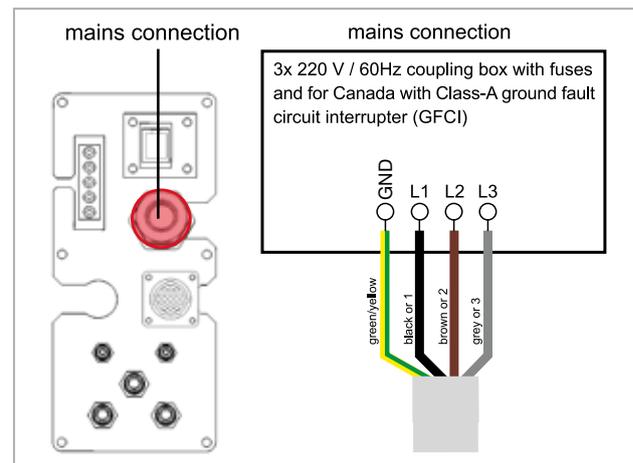
Both the power supply and the related connection works must comply with national standards (e.g. VDE in Germany). The connection may only be carried out by qualified expert staff.

Both the power supply and the related connection work must comply with national standards. The connection work must only be performed by qualified

expert staff. The connection to the 3 x 220 V mains must be protected by fuses. Their specifications are listed in the chapter “Technical data”.

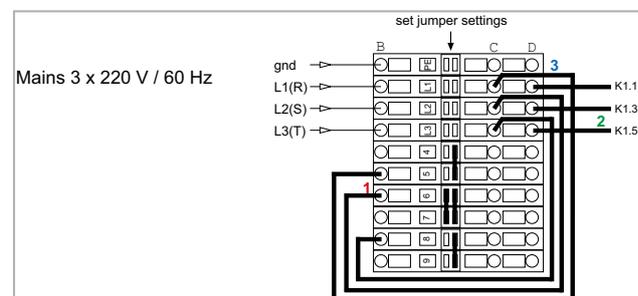
A Class-A ground fault circuit interrupter (GFCI) has to be used for Canada.

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



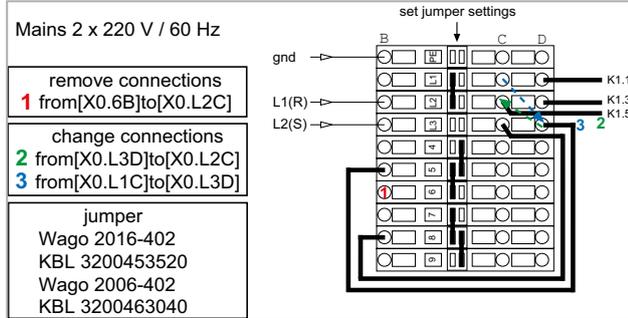
The device is by default set up to operate on 3 phases but it can be changed over to 2-phase operation.

The wiring for 3-phase operation is shown below:



The wiring for 2-phase operation is shown below.

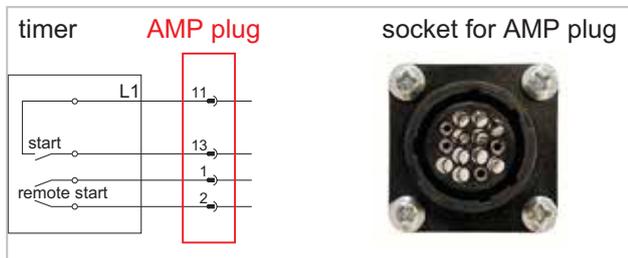
- Re-wire the 3 cables according to the diagram.
- Make sure that you use the right cable for the power supply.



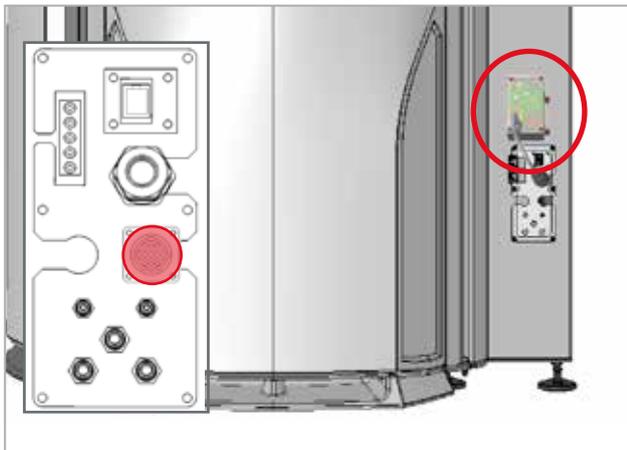
Connecting the external timer

CONNECTING VIA AMP PLUG (DEFAULT)

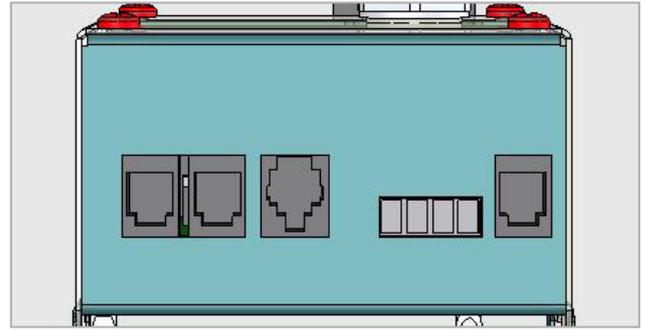
Connect the external timer (e.g. coin box, studio control) according to the instructions supplied with the timer. The connection is made via the socket for an AMP plug on the back side of the device. The following diagram shows the wiring of the timer connection.



T-MAX BOX

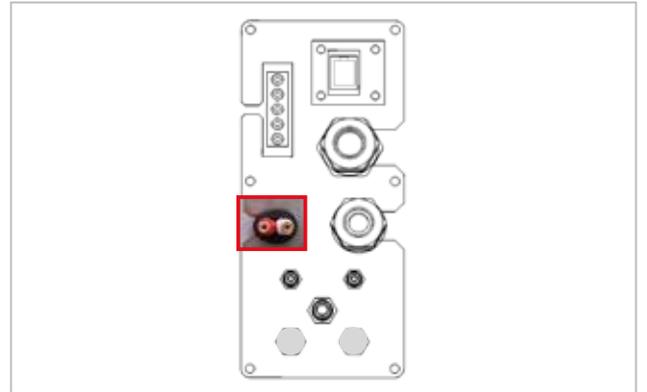


T-MAX CONNECTOR PANEL



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.



Operation using different audio sources

The tanning unit can be operated using the following audio sources:

- An internal audio source
- Various external audio sources
- All available audio sources

The audio source can be changed via the control panel.

INTERNAL MP3 PLAYER

When using the internal MP3 player, you can either play the music tracks that are originally supplied on the SD card, or you can record your own tracks to the SD card.

EXTERNAL AUDIO SOURCES

As an external audio source, you can connect devices ranging from the standard-line level to low loudspeaker levels.

These sources comprise:

- Studio music
- External bluetooth players

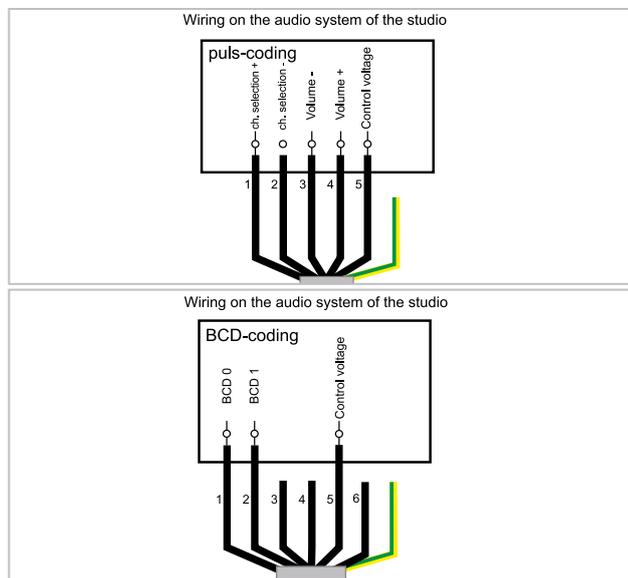
EXTERNAL 100 V AUDIO SIGNAL ON STUDIO CHANNEL (OPTIONAL FEATURE)

If you decide for a connection to a 100 V audio system, you will need a transformer (KBL no.: 9100 0170 00) for the transmission of the audio signal.

This connection must be made by trained service staff.

Connecting the channel selection

The following diagrams show the wiring of the channel selection on the audio equipment's side, for pulse coding as well as for BCD coding.



CHANNEL	BCD 0	BCD 1
1	0	0
2	1	0
3	0	1
4	1	1

Level adjustment studio music

The voice / audio system components are installed in the back part of the tower. The potentiometer which serves to adjust the external audio signal level is accessible through a maintenance hatch on the left hand side of the tower. To avoid overdrive, select the level adjustment accordingly. The level setting depends on the strength of the external signal and should be carried out by a service engineer.



Bluetooth connection

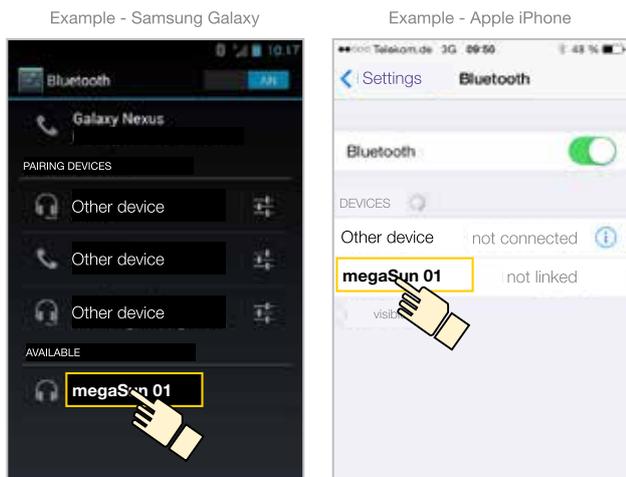
To connect an external player (smartphone etc.) wirelessly to the solarium an optional Bluetooth interface is available.

CONNECT EXTERNAL PLAYER

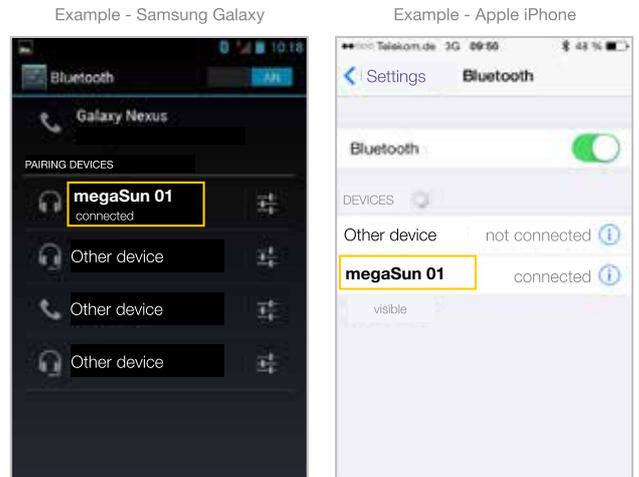
A Bluetooth connection can be established in standby and during tanning mode.

	<p>Make sure that you are within the reception area (about 2 meters).</p> <p>Make sure that your device is configured to search for other bluetooth devices. Should this not be the case, enable bluetooth manually. To do so, please read the instructions for your appliance.</p>
---	---

- Depending on your settings the search will be performed automatically or manually. All available bluetooth devices within reach will be listed after a short time.
- Among the available devices choose “megaSun”. In the service menu, a trailing number (01, 02, 03, ...) can be added to device name.
- If necessary confirm the shown code and connect again. Not every smart phone asks for a code.



- A two-time beep indicates that your device is connected to the solarium.



- Set your device to a **medium volume level** and start the music.
- Adjust the volume level on your device.
- During the tanning session, the volume control has to be done at the tanning device.

DISCONNECT EXTERNAL PLAYER

An existing connection is disconnected automatically after tanning.

The connection is automatically disconnected if the tanning session is not started within 6 minutes.

COMPATIBILITY OF BLUETOOTH DEVICES

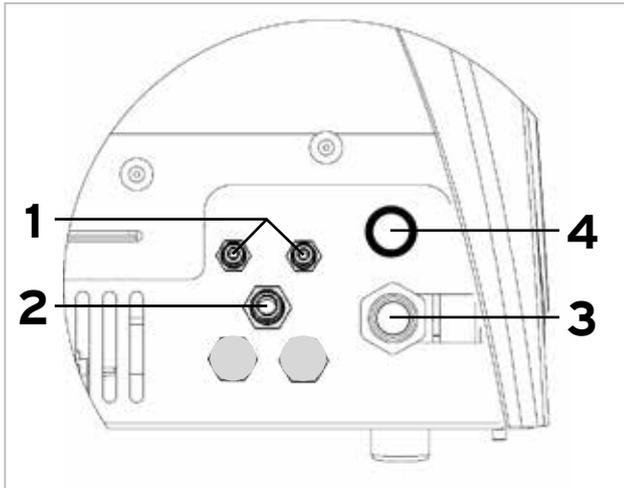
KBL AG attaches great importance to hardware compatibility. Due to the large number of manufacturers, KBL can not guarantee a 100 % compatibility. In rare cases, it may happen that a bluetooth connection can not be established.

CORRECTIVE ACTION

Each unit offers a list of paired devices. Delete the older entries in this list which have a profile that overlaps with the ones for which you want to pair your device.

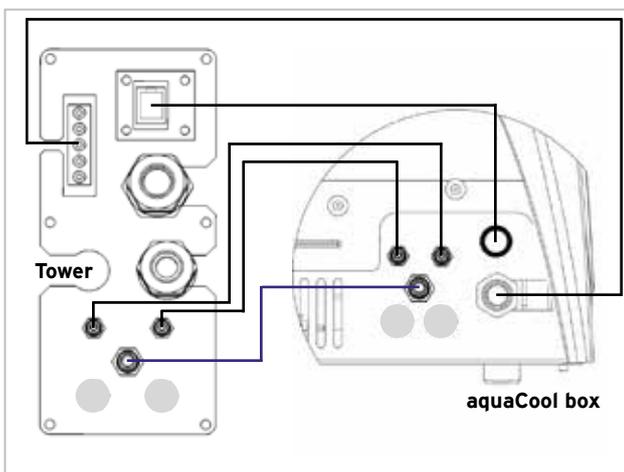
Start the bluetooth device detection again.

aquaCool-box connections



1	aquaCool - liquid
2	aquaCool - air (blue)
3	Mains voltage aquaCool box
4	Data cable Tower/aquaCool-Box

Connections aquaCool box / tower



Start-up

Before switching on for the first time:

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

Warning!

- UV-radiation can cause eye and skin damage as well as skin aging and possibly skin cancer. Ask the studio staff for further information.
- Wear protective goggles.
- Certain medicines or cosmetics can increase the sensitivity of the skin to UV radiation. If in doubt, consult a physician.

- Determine the presettings for the device in the service menu.
- Check correct installation of fluorescent tubes. The tube labeling must be visible, otherwise no tanning effect may be obtained.
- 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 being used. The tubes and the tanning lamps are switched off. From the standby mode, you can change over to the tanning mode or to 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.

SERVICE MODE

In the service mode, the device is configured for the tanning mode. Various values can be displayed and test functions can be carried out.

FAN RUN-ON

After the tanning session, the fan runs on for 3 minutes in order to cool down the device. The fan power is automatically decreased as the tubes cool down.

Tanning instructions

Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type.

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 line of bodycare products after tanning.

Instructions for the user

Observe the following tanning instructions.

GENERAL

- Only the individuals described in the chapter “Intended use” may use the tanning unit.
- 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 might 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 cat-

aract operation, excessive radiation can damage the retina. After many repeated sessions a cataract might form.

- Do not expose yourself to UV radiation if you take medicine that increase the sensitivity to ultraviolet radiation. When in doubt, seek medical advice.
- It cannot generally be assumed that the use of a sunbed reduces the risk of getting a sunburn.
- Seek medical advice if persistent swellings or skin sores develop or pigmented moles change in appearance.

FOR EACH TANNING SESSION

- Always use 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, do not take another sunbath out of doors on the same day.

Exposure schedule

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 are only valid for tubes and facial tanners that are replaced according to the maintenance intervals *.

MAXIMUM EXPOSURE 10 MINUTES

	SKIN TYPE			
	II	III	IV	V
Week 1 1st - 3rd Session	2 min	2 min	2 min	2 min
Week 2 4th - 6th Session	4 min	4 min	4 min	5 min
Week 3 7th - 9rd Session	4 min	5 min	5 min	5 min
Subsequent Weekly Session	7 min	8 min	9 min	10 min
Maximum exposure is 10 minutes!				

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

Tanning mode

⚠ DANGER



Excessive dose of UV radiation

Excessively prolonged tanning sessions may cause severe damage to skin and eyes.

- Never operate the solarium with a defective timer.
- Observe the tanning times given in the tanning schedule.

The following explanations and functions refer to a tanning system that is fully equipped with all features.

Starting the tanning session

During the tanning session, the door must remain closed in order to ensure that the ventilation works properly.

- Close the door and place yourself in the middle of the tower booth in such a way that the distance between your body and the surrounding lamps is about equal at any point.
- Put on protective goggles.
- The tanning session will commence automatically after the warm-up time controlled by the timer has elapsed. During the warm-up time, the tanning session can be started manually at any time by pressing the START button.

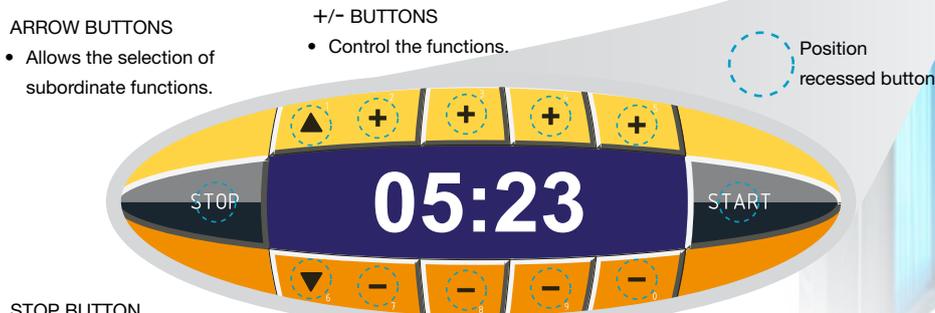
Operation during the tanning session

You can control the functions of the device via the control panel during the tanning session. It is particularly easy for you to access the basic functions. Buttons with recesses that can easily be sensed allow for easy operation of the system even with your eyes closed.

NOTES:

20 seconds after your last input, the display changes over to the indication of the tanning time.

An information line at the bottom edge of the display informs you about currently selected features.



ARROW BUTTONS

- Allows the selection of subordinate functions.

+/- BUTTONS

- Control the functions.

Position recessed button

STOP BUTTON

- Stops the tanning session if pressed for at least two seconds.

DISPLAY

- Shows the menu items and functions.
- Indicates the tanning time.
- Information line.

START BUTTON

- Starts the tanning session during the warm-up time
- as well as after an interruption caused by pressing the STOP button, provided that the booked tanning time has not elapsed yet.

During the tanning session, you need quick access to basic functions such as volume control, body fan and aquaCool.

You should also be in a position to change the subordinate functions.

The control panel caters for both requirements. You have

- direct access to frequently needed functions via the “Basic functions” section, and
- access to the subordinate functions you made via the variable section of the control panel (display according to the rotation principle).

Basic functions

Variable section of the control panel



During the tanning session, you continue to have access to the subordinate functions. If you wish to make any changes, you can do so in the variable section of the control panel. By pressing one of the arrow buttons  , above or below the changeover symbol , all available functions will be displayed one after the other according to the rotation principle. You can switch these individual functions on or off and, if possible, make changes to the settings.

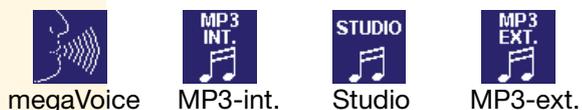
The basic functions portrayed here refer to a fully equipped tanning unit. If you have chosen a simpler equipment package, functions from the variable operating elements automatically take the place of the missing basic function.



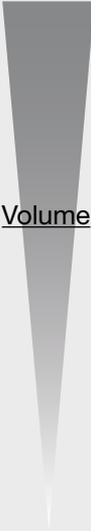
Prerequisite:

The functions must be available and activated in the service menu.

Selectable function symbols (for a fully equipped unit)



Functions overview

 max/on			
<p>Volume</p> 		<p style="text-align: center;">aquaCool</p> <p>An ongoing spraying process cannot be stopped. If the aquaCool supply is running low, a corresponding message is displayed in the standby mode. After the message has appeared for the first time, the aquaCool supply will last for approximately another 2.5 hours of operation. If the system has run out of aquaCool liquid, the aquaCool function is deactivated automatically, and the symbol shown below is displayed.</p>  <p>aquaCool is automatically re-activated as soon as a full canister has been connected.</p>	<p style="text-align: center;">Body fan</p> <p>The body fan is automatically controlled by ACS. As soon as you press one of the fan buttons, the automatic mode is interrupted.</p> <p style="text-align: center;">Keep pressed for 2 seconds</p>
 min/off			

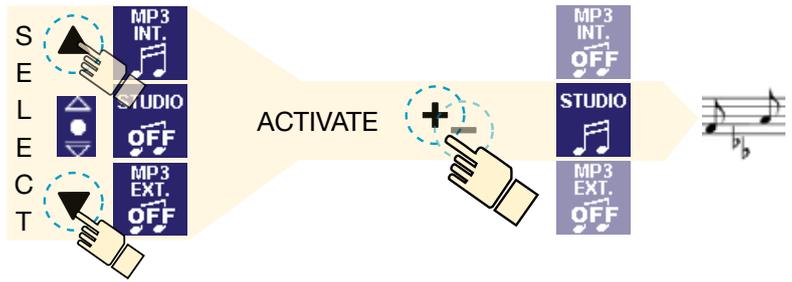
 max/on	
<p>megaVoice</p>	
 min/off	

	<p>aquaCool manual control</p>
<p>Alternative to automatic operation aquaCool can also be started manually.</p> <p>Service menu settings:</p> <ul style="list-style-type: none"> • With activated aquaCool the point <i>Aqua/cycle time</i> must be set to "manual". <p>By pressing the aquaCool plus button, a spray cycle can be triggered.</p>	

AUDIO FUNCTIONS

There is a maximum of three audio sources available at the user's disposal. If you change over to another source, you must activate it first. The activation is effected by pressing the **+** or the **-** button. All inactive audio functions are marked with "OFF" on the display so that you can easily recognize the active audio source.

MODEL: ACTIVATING AUDIO FUNCTIONS



Variable section of the control panel (audio functions)

+ Channel +



This function is used to play the studio music. If the Studio function has been activated, you can press the plus and minus buttons to browse through the channels, provided that more than one channel is available.

In order to play tracks from your own Bluetooth music devices, select the audio source "MP3-external" on the solarium control panel and start playback on the external player. Use the corresponding operating elements of the external player in order to select the desired tracks.

- Channel -

+ Tracks +



This function is used to play the tracks of the internal MP3 player of the tanning unit. If the MP3 internal function has been activated, press the plus and minus buttons to browse through the individual tracks.

- Tracks -

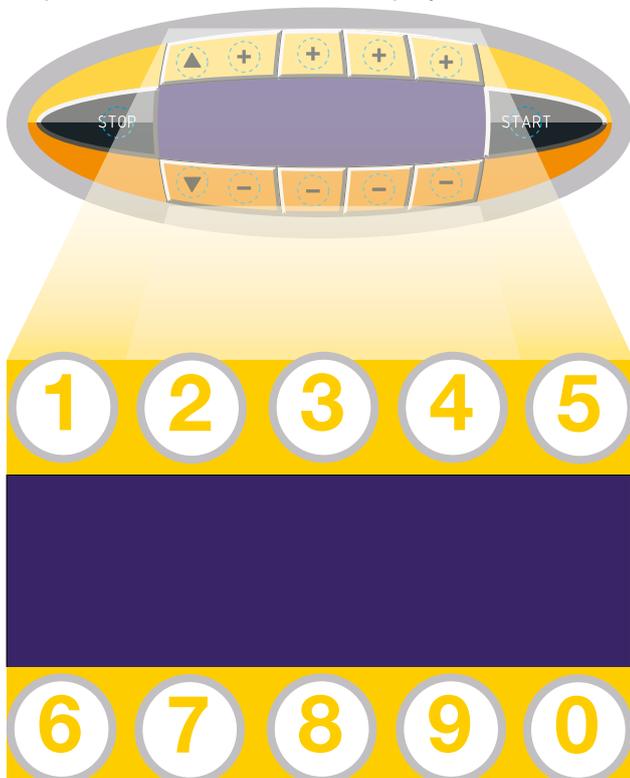
Standby mode / service mode

While the tanning unit is in standby mode, you can switch the decorative lighting of the device on and off and trigger an aquaCool spraying test (1 spraying cycle).

When the unit is in service mode, you can make the presettings for operation in tanning mode, and you can have values concerning the operation of the device displayed.

Layout of the display numbers

The buttons of the interior display are allocated double functions. In addition to the standard operating elements, they stand for numbers that, in standby mode, provide access to standby and service functions. Simply enter the corresponding sequence of numbers on the display.



Switching the decorative lighting on and off



NOTE

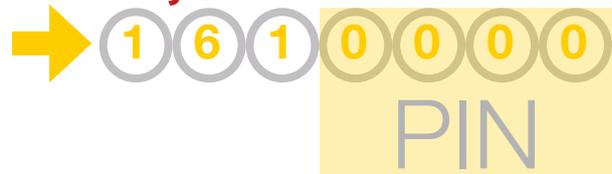
The connection times of the decorative lighting can be set in the service menu individually for each day of the week.

There are two independent connection periods (A and B) available for each day of the week.

aquaCool spraying test



Invoking the service menu



NOTE

Do not let too much time pass between the individual keystrokes when entering a sequence of numbers!

Service menu - Basics

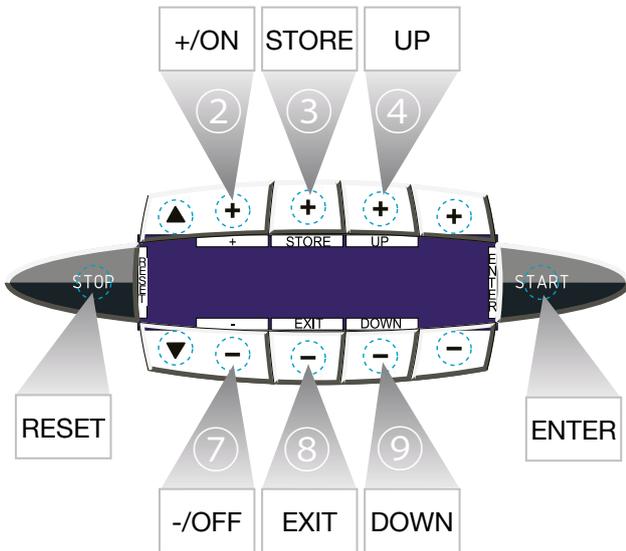
In standby mode, the service level is accessed by entering “161”, followed by PIN “0000”. There is one additional condition that must be fulfilled:

- No incoming signal from the coin-box system.

SERVICE MENU - STANDARD OPERATING ELEMENTS

After having entered the service PIN, the service menu is at your disposal. Navigation is made via the following buttons (see also chapter: Layout of the display numbers):

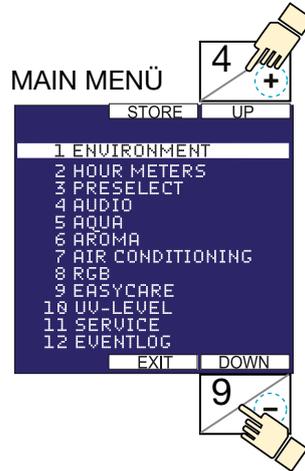
- Use buttons 4 (UP) and 9 (DOWN) to browse through the individual menu items and functions.
- Press the START/ENTER button to go to the corresponding submenu.
- Button 2 and 7 are used to switch functions on and off and to modify values.
- Press 3 (STORE) to save all modifications made in all menu items.
- Press 8 (EXIT) to go back to the previous menu level or to exit the service menu.



SERVICE MENU - BASIC OPERATION

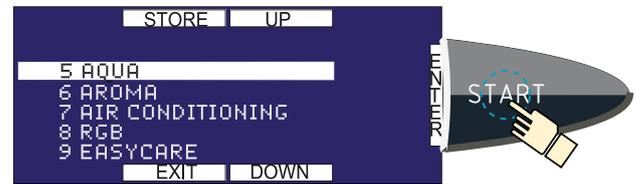
The service menu is divided into the main menu and subordinate groups of functions.

If you choose a menu item, e.g. “AUDIO”, you will get access to all functions related to this item.

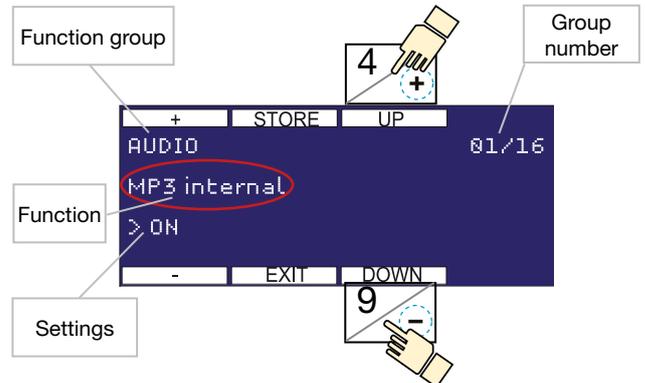


- Select the desired function group from the main menu by pressing the 4 (UP) or the 9 (DOWN) button. The currently selected group is highlighted.

- Press the START/ENTER button to access the desired group menu.

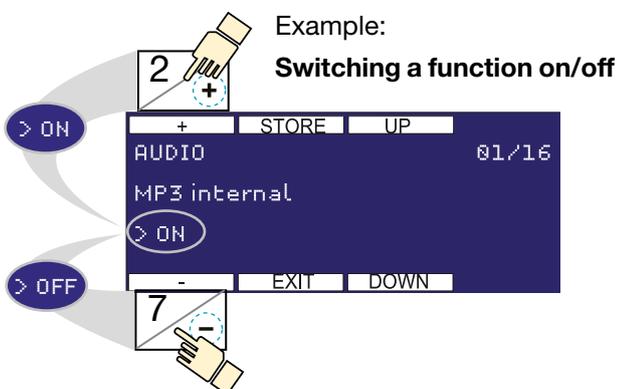
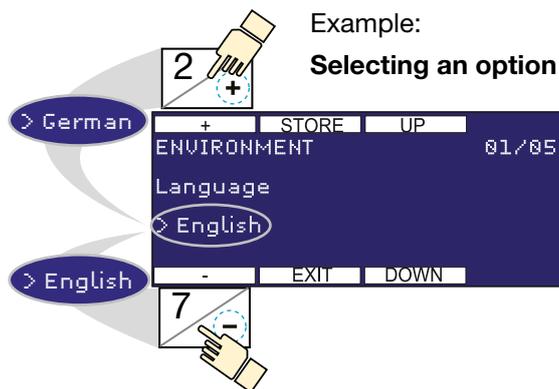
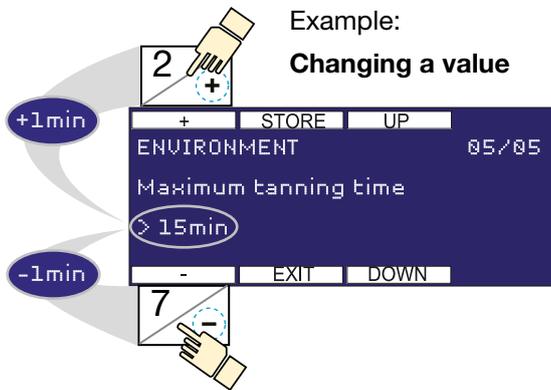


- The currently active function (circle) is displayed in the centre line on the left-hand side. You can invoke further functions of this group by pressing 4 (UP) or 9 (DOWN).



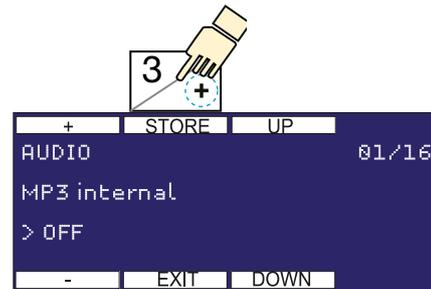
CHANGE SETTINGS

- Depending on the respective function, you can **change values, select options and switch functions on or off**. To do so, use the buttons 2 (+) and 7 (-).

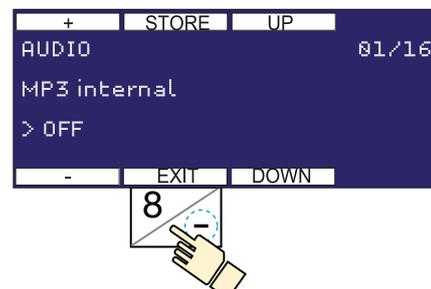


STORE & EXIT

- Save your settings by pressing the button 3 (STORE). If you fail to do so, the system will not take over the changes you made. -> See also chapter "Service Menu - Timeout".
- By pressing the STORE button, you save all changes you have made in all menu items.



- By pressing 8 (EXIT), you go back to the previous menu level, or you exit the service menu.



SERVICE MENU - TIMEOUT

After performing your last operating action, you have 2 minutes left to save the changes you have made. Then, a prompt appears and all changes are automatically discarded after an additional 20 seconds.

SERVICE MENU - AUDIBLE SIGNALS

For user convenience, operation and storage processes are acoustically acknowledged in different ways:

- | | | |
|-------------------|----|-------------|
| Operation process | -> | short sound |
| Storage process | -> | long sound |

ENVIRONMENT

- ① Language
- ② Contrast
- ③ TIME AND DATE
- ④ TIMER DECORATIVE LIGHTING
- ⑤ Maximum tanning time

HOUR METERS

- ⑥ Operating hours overall
- ⑦ Operating hours UV tubes
- ⑧ Operating hours collagen tubes
- ⑨ Number of sunbath

PRESELECT

- ⑩ UV-Typ
- ⑪ Audio
- ⑫ Voice (megaVoice)
- ⑬ Aircon (aircondition)
- ⑭ Aroma
- ⑮ Aqua (aquaCool)

AUDIO

- ⑯ MP3 internal
- ⑰ megaVoice
- ⑱ megaVoice language
- ⑲ Studio (Line-in)
- ⑳ usb MP3
- ㉑ MP3 external (Line in)
- ㉒ Studio channel selection
- ㉓ Number of studio channels
- ㉔ Musik nonstop
- ㉕ Nonstop music source
- ㉖ Default volume tanning
- ㉗ Default volume standby
- ㉘ Maximum adjustable volume
- ㉙ megaVoice volume adaption
- ㉚ Dynamic volume adaption
- ㉛ Treble MP3 - USB
- ㉜ High bass MP3 - USB
- ㉝ Low bass MP3 - USB
- ㉞ Volume adaption Studio Line-In
- ㉟ Treble Studio Line-In
- ㊱ High bass Studio Line-In
- ㊲ Low bass Studio Line-In

AQUA

- ⑳ aquaCool
- ㉑ aquaCool spray time
- ㉒ Cycle time
- ㉓ aquaCool start test cycle
- ㉔ aquaCool endurance test
- ㉕ aquaCool start initialization

AROMA

- ④④ Aroma
- ④⑤ Aroma status reset
- ④⑥ Cycle time
- ④⑦ Aroma cabin automatic
- ④⑧ Aroma cycles per hour
- ④⑨ TIMER AROMA
- ④⑩ Aroma start test cycle

AIR CONDITIONING

- ⑤① Air condition
- ⑤② Start level body fan

RGB

- ⑤③ RGB mode

⑤④ EASYCARE
⑤⑤ UV-LEVEL
SERVICE

- ⑤⑥ Load factory defaults
- ⑤⑦ Personal PIN
- BLUETOOTH
 - ⑤⑧ Name
 - ⑤⑨ Powerlevel
- ⑥⑩ FIRMWARE-TYP
- ⑥⑪ FIRMWARE-VERSIONEN
- ⑥⑫ SOFTWARE UPLOAD
- ⑥⑬ RGB-Setup
- SERVICE MODE
 - ⑥⑭ Service mode without tanning
 - ⑥⑮ Service mode with tanning
- ⑥⑯ SOLARIUM IDENTIFICATION
- ⑥⑰ SOLARIUM X-CODE
- ⑥⑱ Reboot

⑥⑲ EVENT LOG

Personal PIN

In delivery condition some menu items are protected by a factory PIN. Optionally, the factory PIN can be replaced by a "Personal PIN".

- You will receive the "Personal PIN" with the product documentation.
- The personal PIN may be activated or deactivated by selecting the "SERVICE/Personal PIN" setting in the service menu.

Every software update deactivates the "Personal PIN".

"Personal PIN" secured menu items may be identified by the personal PIN logo as given in the service menu.

Service menu - options

- In order to avoid operating errors, read through the basics at the beginning of the "Service Menu" section.

- Always remember to save your settings by pressing STORE.
- All menu items that comprise further submenus are displayed in CAPITAL LETTERS.

1

```

+ | STORE | UP
ENVIRONMENT 01/05
Language
>

```

> German
> English

Sets the language of the menu.

Factory setting: German

2

```

+ | STORE | UP
ENVIRONMENT 02/05
Contrast
>

```

> 00000...00030

Sets the contrast of the display.

Factory setting: 00020

3

```

+ | STORE | UP
ENVIRONMENT 03/05
TIME AND DATE
> press ENTER

```

Entry of date and time. Invoke the submenu by pressing START (ENTER).

SUBMENU
TIME & DATE

```

+ | STORE | UP
ENVIRONMENT\TIME & DATE 01/02
Time
>

```

> 00:00 - 23:59

Select input fields (start / set)

Set value

Store / Exit

Select time or date

```

+ | STORE | UP
ENVIRONMENT\TIME & DATE 02/02
Date
>

```

> 19.08.08 Tu

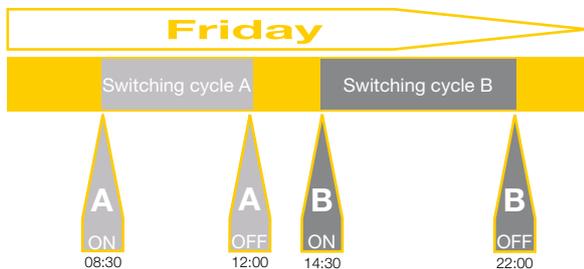
The menu item „Timer decorative lighting“ offers you two switching cycles (A and B) for each day of the week.

NOTE - SWITCHING CYCLES

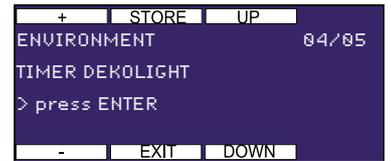
Using the setting „monday-sunday“, the switching cycle will be the same for each day of the week.

Week	Switching cycle	
	A	B
Monday - Sunday	A-ON A-OFF	B-ON B-OFF

Day	Switching cycles	
	A	B
Monday	A-ON A-OFF	B-ON B-OFF
Tuesday	A-ON A-OFF	B-ON B-OFF
Wednesday	A-ON A-OFF	B-ON B-OFF
Thursday	A-ON A-OFF	B-ON B-OFF
Friday	A-ON A-OFF	B-ON B-OFF
Saturday	A-ON A-OFF	B-ON B-OFF
Sunday	A-ON A-OFF	B-ON B-OFF



4



Entering switching times for the decorative lighting. The submenu is invoked by pressing START (ENTER).



SUBMENU
TIMER DECORATIVE LIGHTING

SELECT WEEK OR DAY OF THE WEEK

ENTER SWITCHING TIME

SET SWITCHING CYCLES

> XX:XX
+/- Set the time

Select input fields

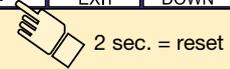
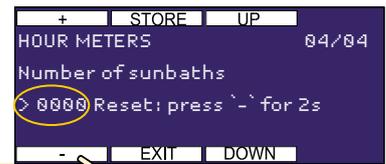
- Save settings by pressing STORE!

5 



Not available in this system.

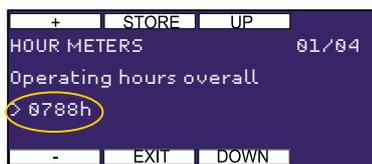
9



Indicates the number of tanning sessions (sunbaths) and includes a reset function.

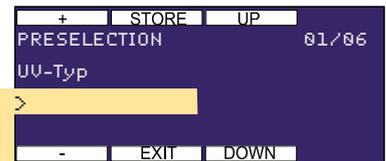
Under the menu item “PRESELECTION” you can make the initial settings for the device. The functions must be available and activated in this service menu (16)/(17)/(19)/(38)/(44)/(50).

6



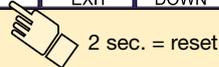
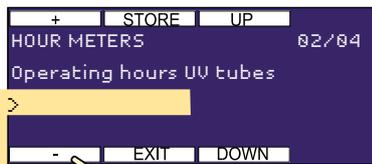
Displays the total operating hours.

10



Not available in this system.

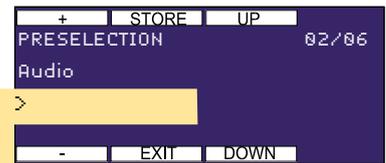
7



Displays the total operating hours of the UV tubes and includes a reset function and set function to set the value in steps of five via the +/- buttons.

- Save settings by pressing STORE!

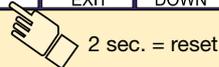
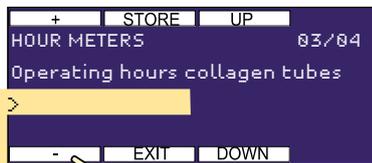
11



Determines the start setting of the audio source.

Factory setting: MP3-internal

8



Not available in this system.

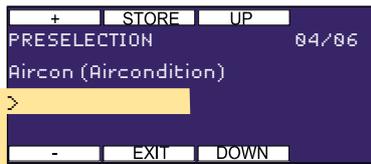
12



Specifies the start setting of the voice-guidance system.

Factory setting: on

13



Not available in this system.

14



Not available in this system.

15

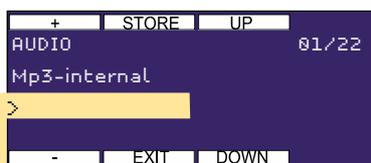


> on
> off

Specifies the start setting of aquaCool.

Factory setting: on

16 

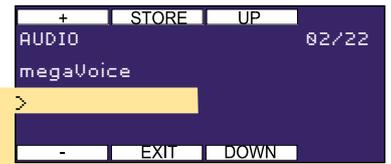


> on
> off

Activates and deactivates the internal MP3 player.

Factory setting: off

17 



> on
> off

Activates and deactivates the voice-guidance system (megaVoice).

Factory setting: on

18 



> English
> German
> ...

Fixes the language setting of the megaVoice system.

The following languages are fully supported:

GB,RU,DE,FR,IT,PL,CZ,NL,HU,BG,HR,RO,RS,SK

The following languages are supported in part:

DK,EE,LT,NO,ES,SE,TR (without easyCare)

Factory setting: Depending on the operator country

19 

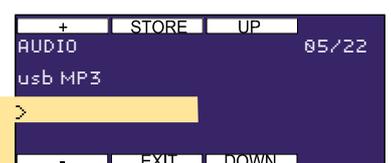


> on
> off

Activates and deactivates the Studio (line-in) audio signal.

Factory setting: on

20



Not available in this system.



Activates and deactivates the line-in connection (bench part, right-hand side of the head end) for units from standard-line level to low loudspeaker levels (MP3 player, iPod, etc.).

Factory setting: on



Allows for the change-over between pulse-code and BCD-code mode with the Studio signal pending and deactivates the external-channel selection.

Factory setting: bcd



If bcd has been preselected, the number of channels available in the studio is specified here.

Factory setting: 4



If this function is active, music is played nonstop, i.e. also out of tanning sessions.

Factory setting: off



Allows for choosing the permanent audio source for the “Music nonstop” function“.

Factory setting: MP3-internal



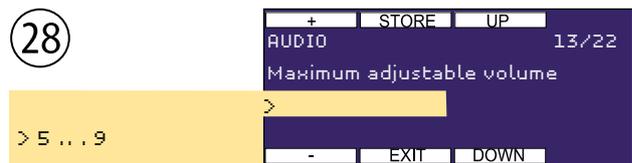
Sets the volume for the tanning mode.

Factory setting: 6



Sets the volume for the standby mode.

Factory setting: 3



Presetting the maximum adjustable sound level, limits the maximum adjustable sound level in the operating and standby mode.

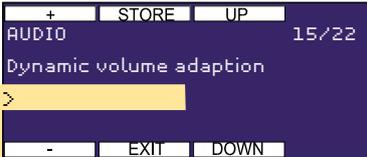
Factory setting: 9



Here you can adapt the volume of megaVoice.

Factory setting: +00 dB

30

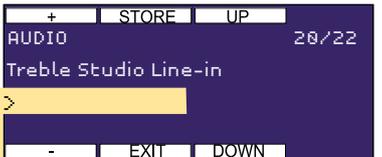


> on
> off

Dynamic volume adaption on-/off.

Factory setting: on

35

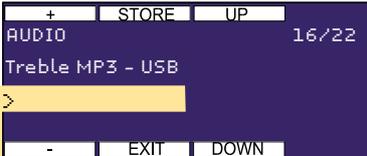


> -14 ... +14 dB

Sets the treble for studio music operation.

Factory setting: 00 dB

31



> -14 ... +14 dB

Sets the treble for MP3 - USB operation.

Factory setting: 00 dB

36

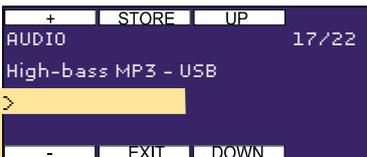


> -14 ... +14 dB

Sets the high-bass for studio music operation.

Factory setting: 00 dB

32



> -14 ... +14 dB

Sets the high-bass for MP3 - USB operation.

Factory setting: 00 dB

37

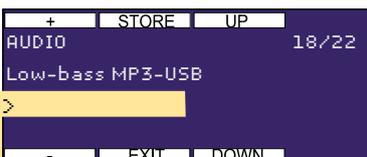


> -14 ... +14 dB

Sets the low-bass for studio music operation.

Factory setting: +07 dB

33

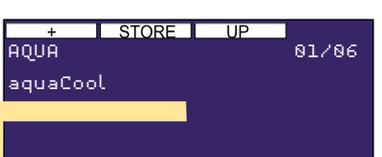


> -14 ... +14 dB

Sets the low-bass for MP3 - USB operation.

Factory setting: +07 dB

38



> on
> off

Activates and deactivates the aquaCool function.

Factory setting: off

34



> -29 ... +29 dB

Here you can adapt the volume of studio line-in signal.

Factory setting: +00 dB

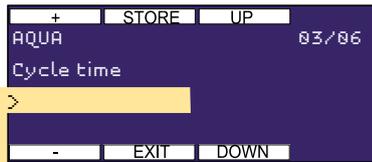
39



> 2 ... 6 (sec)

Determines the duration of the aquaCool spraying time.

Factory setting: 6



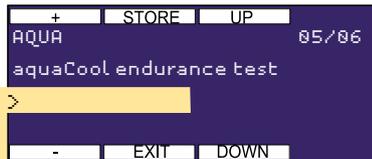
> manuel
> 1 .. 5 (min)

Defines the aquaCool and aroma cycle time (spraying time + spraying interval). If „manuel“ is selected, by pressing the aquaCool- or Aroma plus button a spray cycle can be triggered.

Factory setting: manuel



Starts the aquaCool test (1 cycle).



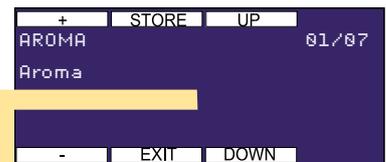
> on
> off

Starts the aquaCool endurance test. After having selected and stored the “on” setting, you must leave the service menu and start a tanning session. Attention! aquaCool will continue to spray permanently during a whole tanning session.

Factory setting: off



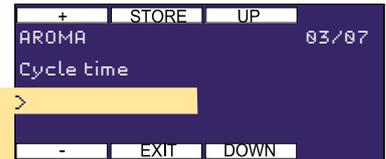
Starts the aquaCool initialization process. A spraying cycle of 90 seconds is started to bleed the system before commissioning, after a repair operation or after a canister replacement.



Not available in this system.



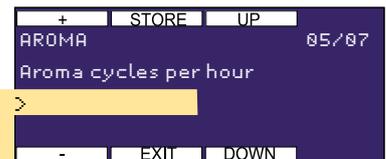
Not available in this system.



Not available in this system.



Not available in this system.



Not available in this system.

49 

```

+ | STORE | UP |
AROMA 06/07
TIMER AROMA
> press ENTER
- | EXIT | DOWN |
    
```

Not available in this system.

50 

```

+ | STORE | UP |
AROMA 07/07
Aroma start testcycle
> Start: press `+` for 2s
- | EXIT | DOWN |
    
```

Not available in this system.

51

```

+ | STORE | UP |
AIR CONDITIONING 01/02
Aircon (air conditioning)
- | EXIT | DOWN |
    
```

Not available in this system.

52

```

+ | STORE | UP |
AIR CONDITIONING 02/02
Start level body fan
>
- | EXIT | DOWN |
    
```

Specifies the “start speed” setting of the body fan at the beginning of the tanning.

Factory setting: 2

53

```

+ | STORE | UP |
RGB 01/01
RGB mode
>
- | EXIT | DOWN |
    
```

Not available in this system.

Note:

For devices with LED technology, the desired RGB color mode is adjusted by the colorMotion controller.

54

```

+ | STORE | UP |
EASYCARE 01/03
SETTINGS
> press ENTER
- | EXIT | DOWN |
    
```

Not available in this system.

55 

```

+ | STORE | UP |
UV-LEVEL 01/01
SET UV-LEVEL
>
- | EXIT | DOWN |
    
```

 These settings must only be made by trained service personnel!

56 

```

+ | STORE | UP |
SERVICE 01/11
Load factory defaults
> Reset: press `^-` for 2s
- | EXIT | DOWN |
    
```

Loads the factory (default) settings.

57 

```

+ | STORE | UP |
SERVICE 02/11
PERSONAL PIN
> press ENTER
- | EXIT | DOWN |
    
```

Submenu call with START/ENTER.



SUBMENU



```

+ | STORE | UP |
SERVICE\PERSONAL PIN 01/01
ENTER SOLARIUM PERSONAL PIN
> PIN:
- | EXIT | DOWN |
    
```

PERSONAL PIN activate / deactivate
Enter your personal PIN.



```

+ | STORE | UP
SERVICE 03/11
BLUETOOTH
> press ENTER
- | EXIT | DOWN
    
```

Submenu BLUETOOTH.
Invoked by pressing
START (ENTER).



SUBMENU
BLUETOOTH

Name ⁵⁸
Powerlevel ⁵⁹

58

```

+ | STORE | UP
SERVICE/BLUETOOTH 01/02
Name: KBL Sound
>
- | EXIT | DOWN
    
```

> 01 - 99

To fit your Studio environment (multiple units) different numbers can be added to the bluetooth device name (megaSun **xx**) of each solarium.

Factory setting: 01

59

```

+ | STORE | UP
SERVICE\BLUETOOTH 02/02
Powerlevel
>
- | EXIT | DOWN
    
```

> 1 ... 7

Sets the transmission power for bluetooth.

Factory setting: 1

60

```

+ | STORE | UP
SERVICE 04/11
FIRMWARE-TYP
> press enter
- | EXIT | DOWN
    
```

Submenu call with START/ENTER. Displays the current firmware typ / variant.

61

```

+ | STORE | UP
SERVICE 05/11
FIRMWARE-VERSIONS
> press enter
- | EXIT | DOWN
    
```

Submenu call with START/ENTER. Displays the current firmware version of the system components.



Do not operate the system with different firmware versions!

• **All system components must be equipped with an identical firmware version.**

62

```

+ | STORE | UP
SERVICE 06/11
SOFTWARE UPLOAD
> press enter
- | EXIT | DOWN
    
```

Submenu call with START/ENTER. Displays the first and the last Software-Upload.

63

```

+ | STORE | UP
SERVICE 07/11
RGB-Setup
>
- | EXIT | DOWN
    
```

Not available in this system.



```

+ | STORE | UP
SERVICE 08/11
SERVICE MODE
> press ENTER
- | EXIT | DOWN
    
```

Submenu SERVICE MODE.

Invoked by pressing
START (ENTER).



SUBMENU
SERVICE MODE

Service mode without tanning ⁶⁴
Service mode with tanning ⁶⁵

64

```

+ | STORE | UP
SERVICE 01/02
Service mode without tanning
> Start: press `ENTER` for 2s
- | EXIT | DOWN
    
```

Troubleshooting mode.
The service mode is switched on for 30 minutes.
The mains voltage is connected. Error notifications are ignored, but tanning cannot be started.

65

```

+ | STORE | UP
SERVICE 02/02
Service mode with tanning
> Start: press `ENTER` for 2s
- | EXIT | DOWN
    
```

Troubleshooting mode.
The service mode is switched on for 10 minutes.
The mains voltage is connected. Error notifications are ignored, tanning can be started. After this period, there is a 3 minute restart lockout.

66

```

+ | STORE | UP
SERVICE 09/11
SOLARIUM IDENTIFICATION
> press enter
- | EXIT | DOWN
    
```

Show the characteristics of the device:

- Configuration code
- Variant code
- Serial number

67



```

+ | STORE | UP
SERVICE 10/11
SOLARIUM X-CODE
>
- | EXIT | DOWN
    
```

> PIN:

Branches to further configuration options.

These settings must only be made by trained service personnel!

68

```

+ | STORE | UP
SERVICE 11/11
Reboot
> Reboot: press `~` for 2s
- | EXIT | DOWN
    
```



Performs a restart of the electronics.

Attention

- All unsaved changes will be discarded!

69

```

+ | STORE | UP
EVENTLOG 01/01
>
- | EXIT | DOWN
    
```

Lists the latest 99 events (error codes & info-messages). Detailed information is available by pressing the Start button.

Example:

no.	time	date	code	tanning time
001	16:44	05.01.09	0011	03:23
002	15:22	05.01.09	0002	07:22
003	10:07	22.12.08
004	17:16		
005			
....				
099				

Set decorative lighting



For remote control of the fourSeason color mode, you may use our colorMotion controller. Available only for devices with LED technology.



To control the fourSeason color mode of the device use the stylish colorMotion controller with its elegant colorWheel and its full touch panel. Change brightness, turn on and off the lighting, select static colors or select one of the automatic color change programs. This wireless control technology allows remote control from various directions with just a finger touch.

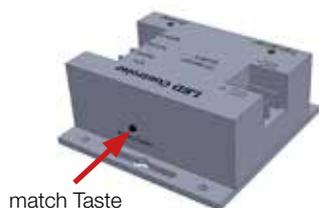
Low power consumption and awakening

After 20 sec. without touching the controller will automatically enter the low power sleep mode. Touch any key to wake up the controller to normal use.

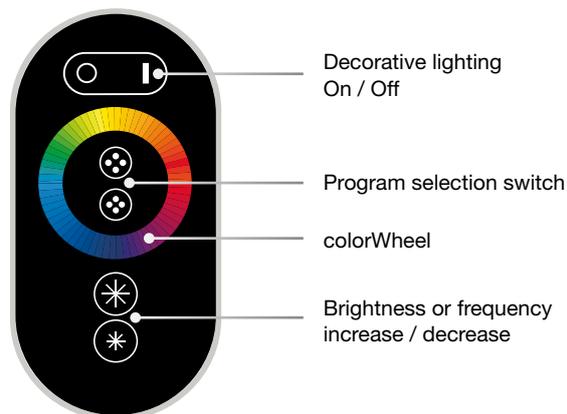
Match code function

In order to control several devices with one RF-controller press down the match code button on the LED controller and the "I" button at the RF-controller at the same time, wait for the LED lamp flashing several times, then move away from the two buttons. To cancel match, press down the match code button on the LED controller and the "O" button at the RF-controller at the same time, wait for the LED lamp flashing several times, then move away from the two buttons.

The LED controller is located in the rear wall of the tower.



colorMotion controller



colorMotion controller - control elements

	<p>On / Off Decorative lighting. The selected setting automatically will be saved when the system is switched off.</p>																																									
	<p>Program selection switch</p> <table border="1"> <thead> <tr> <th>Program</th> <th>Mode</th> <th>Note</th> </tr> </thead> <tbody> <tr><td>1</td><td>RED</td><td rowspan="7">Intensity adjustable</td></tr> <tr><td>2</td><td>GREEN</td></tr> <tr><td>3</td><td>BLUE</td></tr> <tr><td>4</td><td>YELLOW</td></tr> <tr><td>5</td><td>PURPLE</td></tr> <tr><td>6</td><td>CYAN</td></tr> <tr><td>7</td><td>WHITE</td></tr> <tr><td>8</td><td>3 color - jump</td><td rowspan="11">Frequency adjustable (Repetition rate)</td></tr> <tr><td>9</td><td>7 color - jump</td></tr> <tr><td>10</td><td>3 color - gradient</td></tr> <tr><td>11</td><td>3 color - smooth</td></tr> <tr><td>12</td><td>7 color - gradient</td></tr> <tr><td>13</td><td>7 color - smooth</td></tr> <tr><td>13</td><td>3 color - flicker</td></tr> <tr><td>15</td><td>7 color - flicker</td></tr> <tr><td>16</td><td>3 color - flash</td></tr> <tr><td>17</td><td>7 color - flash</td></tr> <tr><td>18</td><td>Auto play</td></tr> </tbody> </table>	Program	Mode	Note	1	RED	Intensity adjustable	2	GREEN	3	BLUE	4	YELLOW	5	PURPLE	6	CYAN	7	WHITE	8	3 color - jump	Frequency adjustable (Repetition rate)	9	7 color - jump	10	3 color - gradient	11	3 color - smooth	12	7 color - gradient	13	7 color - smooth	13	3 color - flicker	15	7 color - flicker	16	3 color - flash	17	7 color - flash	18	Auto play
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17	7 color - flash																																									
18	Auto play																																									
	<p>colorWheel By touching the colorWheel the selected color switches on and additionally the program selection will be reset. At the next program selection, the program 1 (RED) will start.</p>																																									
	<p>Increases / decreases the intensity of the static colors (Program 1-7). Increases / decreases the repetition rate (Program 8-18).</p>																																									

Maintenance and cleaning

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

⚠ DANGER



Live parts

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

- **Disconnect from mains and secure against reconnection!**



- **USE ONLY ORIGINAL SPARE PARTS.**
- Replace illuminants and filters only with ones which are characterized on the device.

Instructions for cleaning and care

GENERAL

Before starting to clean the unit, 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

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!

To clean the PMMA plastic surfaces of the door and the mirror plate of the floor, proceed as follows: Use a damp chamois and spray megaClean onto it sparingly. Then wipe the surfaces clean. **NEVER CLEAN WITH A DRY CLOTH!**

Prevent the corners and edges from getting wet.

CLEANING AGENTS

The surfaces and the 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 - Electronic Power	After approx. 200 operating hours	Typical value after about 800 operating hours. For further information see data sheet.
Acrylic panes	When necessary	When necessary
aquaCool nozzles	When necessary	After approx. 1000 operating hours

Tools and aids

 4	Hexagon socket screwdriver (SW 4 / 60 mm) Art. No.: 3410055263
 PH2	Standard Phillips screwdriver (PH2)
	Number of required persons

The following chapters describe the work steps required for carrying out maintenance and care actions.

At the beginning of each chapter, the required tools and aids are depicted, unless the corresponding process can be carried out by one individual person without any further auxiliary equipment.

	<p>The assembly is basically carried out in reverse order of the disassembly. Exceptions are specifically pointed out.</p>
---	--

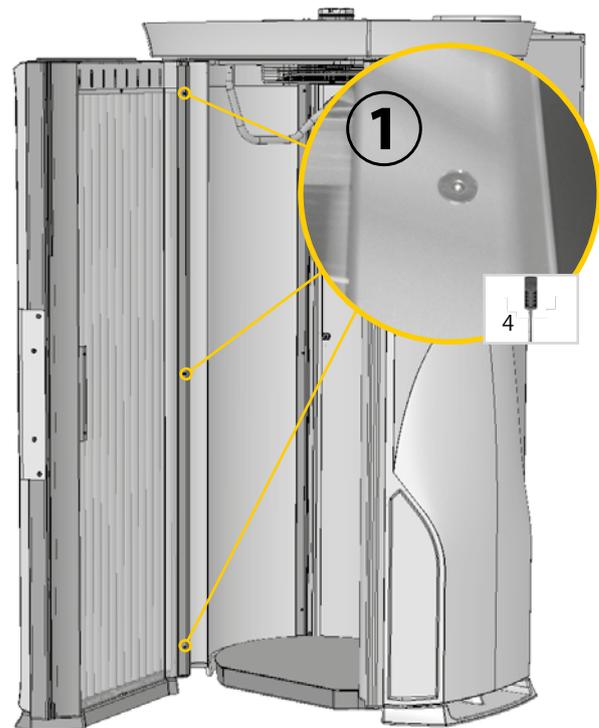
Removing and cleaning the acrylic panes

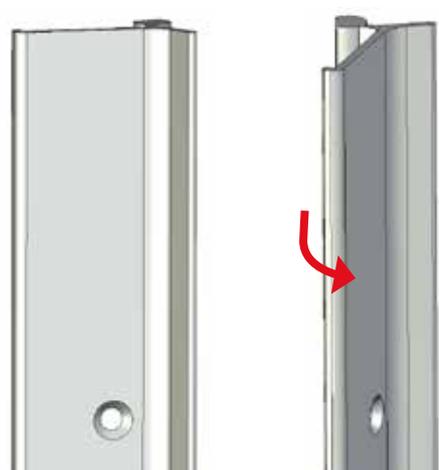
The panes are cleaned whenever necessary. When cleaning the inside, it is recommended to clean also the tubes. The instructions for cleaning and care must be observed. The outer surface can be cleaned without any preparatory works.

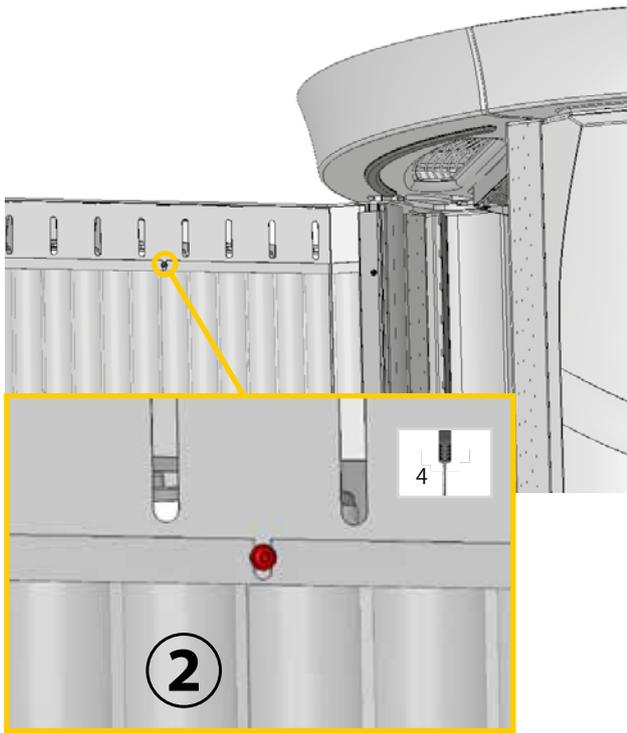
REMOVING ACRYLIC PANES

	 4			
---	---	--	--	--

The illustration shows the disassembly at the door. Disassembling of sides and rear wall is carried out in same manner.



	<p>Remove the three hexagonal screws of the side covering strip.</p>
	<p>Fold back the side covering strip.</p> 



i If your Tower is equipped with a central exhaust-air module, also undo the screw ② that is located centrally at the top of the door pane.



⇒ Lift the panes out of the guide rails and keep them in a safe place.

INSTALLING ACRYLIC PANES

After the pane and the tubes (if necessary) have been cleaned, reinsert the pane into the guide rails and close the side covering strip.

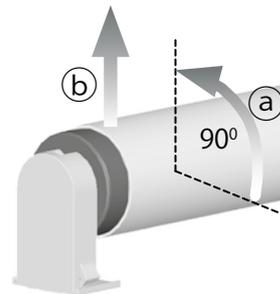
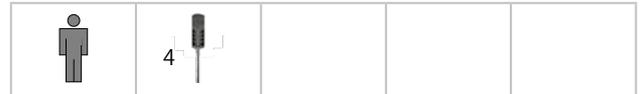
Cleaning and replacing the tubes

By regularly cleaning the tubes you can help preserve their tanning power.



- When installing the tubes, make sure that the tube inscription is visible. If it is installed in a different position, there will be no tanning effect.
- After new tubes have been installed, the operating hours of the tubes must be reset in the service menu.

REMOVING TUBES

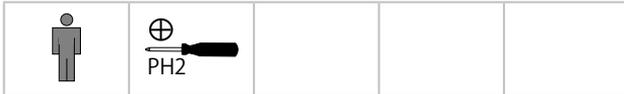


Side 37	Removing acrylic panes.
⇒	Remove the tubes by turning each tube a quarter to the right or to the left and then pulling it out. Remove tubes from lower sockets first.

Replacing the unit lighting

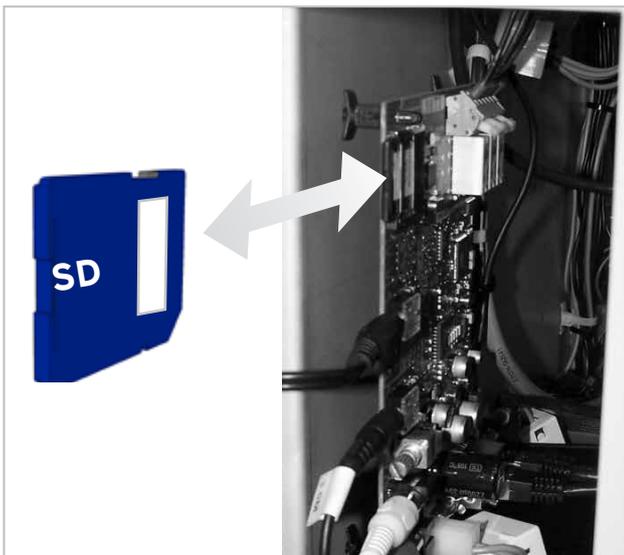
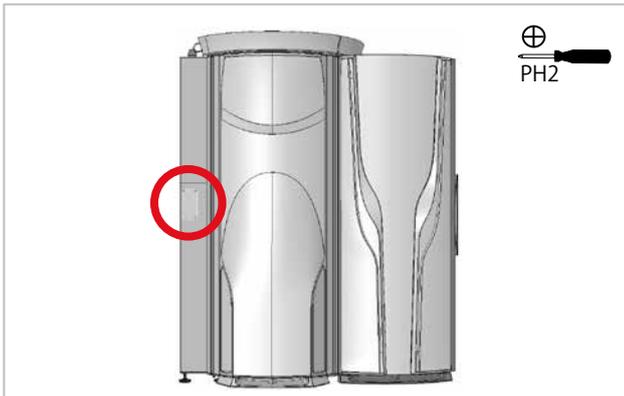
The device is lighted by high-performance-LED's (Four Seasons). If the LEDs are defective, they may only be replaced by qualified specialist. In this case, contact the service department!

Recording to an SD card



REMOVING THE SD CARD

The SD card slot which contains the storage medium with the MP3 data from the internal MP3 player is accessible through a maintenance hatch on the left hand side of the tower.



Please refer to the chapter "Technical data" for information regarding supported card sizes as well as

file-system and MP3 formats. The card contains two directories: Pop and Voice. Within the Pop directory, you can add or delete audio files as you please. These audio tracks are played if the corresponding source has been selected. The number of files is limited by the storage capacity of the SD card. The SD card must not be formatted, the Voice directory and its contents must not be changed or deleted.

RECORDING TO THE SD CARD



Attention!

- Do absolutely not modify the data of the VOICE directory!



Insert the card into the computer and wait for it to be recognised.



Copy or delete MP3 files.

Replacing the aquaCool canister



Attention!

Do not use any agents other than aquaCool and Aroma gel supplied by KBL!

- Risk of infections
- Function of nozzles impaired



- Unscrew the cover of the aqua cool box and remove it.



Due to the system a residual amount remains in the canister.

If the aquaCool canister is empty, corresponding messages are displayed and aquaCool switches off shortly afterwards.



- Unscrew the lid.
- Keep the hose end including the lid in a clean plastic bag while replacing the canister.
- Replace the canister.
- Start aquaCool initialization (service menu).



- Attach the cover.



- Screw the cover.

Replacing the aquaCool nozzles

After 1000 hours of operation, the aquaCool nozzles have to be replaced in order to ensure that aquaCool stays fully operative and efficient. The installation instructions will be enclosed in your spare parts consignment.

System messages

ERROR MESSAGES			
After the error has been eliminated, all error messages must be acknowledged by pressing START on the interior display.			
No.	Status message	Description	Remedy
01	Excess temperature bimetal	Bimetal switch triggers.	Check the air-intake/air-discharge system. Let the device cool down.
02	Maximum tanning time!	Enabling signal from coin-box system comes in longer than the time value approved under "Maximum tanning time" (voltage remains connected)	Disconnect from the coin-box system.
03	Excess temperature exhaust fan!	Bimetal switch in the fan triggers.	Make sure the fan runs freely. Check the air-intake/air-discharge system. Let the device cool down.
12	KBL7 Hardware error Input-Controller	Mainboard defective.	Contact your Customer Service.
13	Maximum write cycle flash memory reached	Maximum write cycle flash memory reached.	Contact your Customer Service.
14	Error! SD card read error (CRC fault)	Update via SD card failed (CRC fault).	SD card check / replace.
15	Error! no access to the SD card	Update via SD card failed (access error).	SD card check / replace
17	Parameter storage not found, please connect and restart	Parameter storage not found, please connect and restart.	Check connector parameter storage. If necessary replace parameter storage.
18	Parameter storage no valid serial number	Parameter storage no valid serial number.	Contact your Customer Service.
19	CAN-BUS: Interior display V1 is incompatible	CAN-BUS operators incompatible.	Use CAN-BUS operators V2.
20	CAN-BUS: preSelection display V1 is incompatible		
21	CAN-BUS: audio module full V1 is incompatible		
22	CAN-BUS: RGB module V1 ist incompatible		
23	Parameter storage write error	Parameter storage write error.	Check connector parameter storage. If necessary replace parameter storage.
24	Parameter storage read error	Parameter storage read error.	Check connector parameter storage. If necessary replace parameter storage.
25	Frequency detection: detection failed!	Frequency detection failed.	Restart the controller. Contact your Customer Service after the third unsuccessful restart.
26	Frequency detection: power supply connection faulty (connector X6/E6)!	Frequency detection failed. No mains voltage.	Check mainboard connector X6/E6.

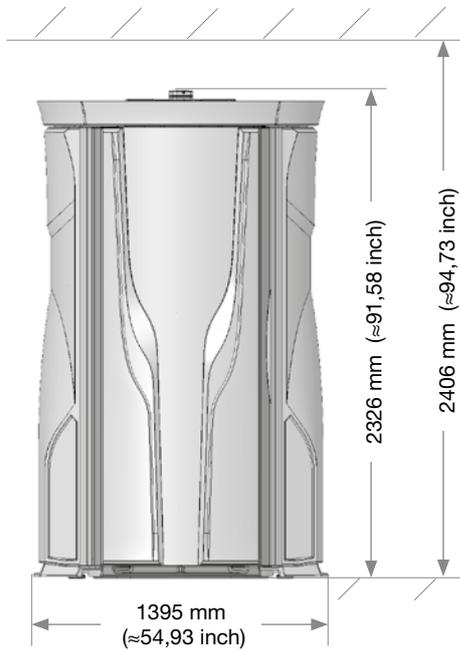
INFORMATION MESSAGES			
No.	Info. message	Description	Remedy
203	Fill level aquaCool canister low	The content of the aquaCool canister is sufficient for another 2.5 hours of operation with a spraying time of 6 seconds each.	Replace the empty aquaCool canister with a full one. Do not replace aquaCool with any other liquid.
204	Connection aquaCool unit faulty	Communication between control and module / display has been interrupted.	Check / replace the patch cable. Acknowledge the message by pressing START. If the fault persists, contact your Customer Service.
205	Connection audio module faulty		
206	Connection inside display faulty		
207	aquaCool canister empty	aquaCool canister empty.	Replace the aquaCool canister with a full one. See chapter: Refilling Aroma and aquacool.
208	Aroma supply low, please renew	System has run out of scent.	Replace the Aroma tin. See chapter: Refilling Aroma and aquacool.
210	Low battery charge, please renew	Button cell (CR-2032) of the control board discharged.	Replace the button cell (CR-2032).
212	Connection RGB module faulty	Communication between control and bus module has been interrupted.	Check / replace the patch cable. Acknowledge the message by pressing START. If the fault persists, contact your Customer Service.
213	SD card missing	No SD card in the audio module.	Insert an original SD card. See chapter: Recording to an SD card/Removing the SD card.
214	SD card unreadable	SD card defective, incompatible content.	Insert a new original SD card. Acknowledge the message by pressing START. See chapter: Recording to an SD card/Removing the SD card. If the fault persists, contact your Customer Service.
216	Error voltage supply, please check	Power supply to the mainboard varies	Check power supply to the mainboard.
217	No voice files on the SD card, please check.	No voice files on the SD card found.	Rebuild voice folder on the SD card. If necessary replace original SD card.
224	Check tubes and temperature sensor in the door (delta>12)	Temperature difference too high - between the one wire sensors.	Check tubes and thermal sensors in the door. Contact your Customer Service.
228	Check tubes and temperature sensor in the door (temp<30)	Minimum temperature is not reached or is fallen below in operation mode.	Check tubes and thermal sensors in the door. Contact your Customer Service.
229	Please close the door, check exhaust air	Temperature rise of 1,5 degrees in 18 seconds.	Close door. Check exhaust air.

Technical Data

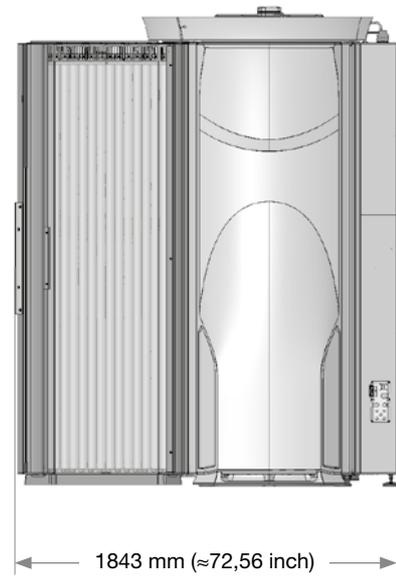
Ambient conditions	
Installation site	In dry rooms (booths) with sufficient airing (intake and discharge) <ul style="list-style-type: none"> • Max. Relative air humidity: ≤ 70 % • Max. Room temperature: ≤ 30 °C (≤ 86°F) • Minimum height of the room: 2406 mm (94,73 inch) • Only on a non-combustible basement
Electrical connection values	
Protective class	IP 20
Mains voltage	3-phase operation: 3x 220 V / ~ / 60 Hz 2-phase operation: 2x 220 V / ~ / 60 Hz
Wire cross section	3-phase: 4x AWG 8 2-phase: 3x AWG 4
Fuses	3-phase: 3x 40 A (For Canada with Class-A ground fault circuit interrupter GFCI) 2-phase: 2x 60 A (For Canada with Class-A ground fault circuit interrupter GFCI)
Nominal power	9100 W
Air discharge (optional feature)	
Fan	Diameter 300 mm (~11.811 inch). Minimum exhaust air flow rate: 528344 gal/h
Exhaust-air hose	Diameter 300 mm (~11.811 inch).
Unit data KBL pureEnergy 5.0	
Tubes	52x megaLine 2052 R 200W - Item no: 3230036110
Dimensions in inches (height x width x depth)	91,58 x 54,93 x 48,55 (closed) - (With central exhaust-air module -> depth plus 13,07) 91,58 x 54,93 x 72,56 (opened)
Weight	352 kg (~776.03 lbs) without central exhaust-air module 392 kg (~864.21 lbs) with central exhaust-air module
MP3 player	<ul style="list-style-type: none"> • Supports SD cards up to 1-2 GB (SD) / 4-16 GB (SDHC) • Supported file system (SD card): FAT16, FAT32 • Supported MP3 files: constant and variable bit rate, 96-320 Kbit/s

Views

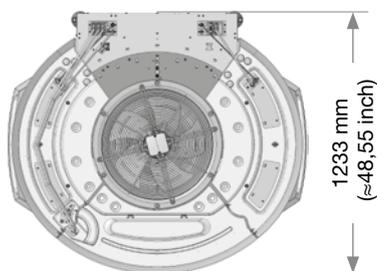
Front view



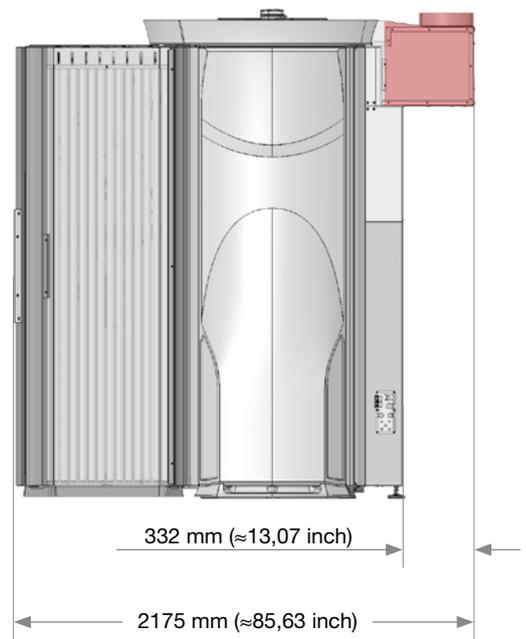
RHS view, door opened



Top view



RHS view with central exhaust air module



KBL EQUIPMENT WARRANTY



1. **WARRANTY** - PC Marketing, Inc. d/b/a PC Tan (the "Company") warrants that electrical components are free from defects in its materials and workmanship, under normal use, for one year ("Warranty Period") beginning from the purchase invoice date of the KBL indoor tanning equipment ("Product") is purchased from the Company or an authorized Distributor of the Company or from an authorized Dealer or Representative of such Distributor or Dealer (collectively the "Distributor"), if you, the original purchaser ("Purchaser"), retain ownership during the Warranty Period. This Warranty is nontransferable. THE WARRANTY CONTAINED IN THIS SECTION 1 IS SUBJECT TO VOIDANCE IN ACCORDANCE WITH SECTION 3.
2. **WARRANTY FOR ITEMS NOT COVERED BY THE ONE YEAR WARRANTY SET FORTH IN SECTION 1; ACRYLIC SURFACES are prorated for (1) year from the invoice date of the purchase of the Product. Lamps, lamp starters, filter glass plates; metal structure, plastic covers and air filters are not covered under this warranty. THE WARRANTY CONTAINED IN THIS SECTION 2 IS SUBJECT TO VOIDANCE IN ACCORDANCE WITH SECTION 3.**
3. **VOIDANCE OF THE WARRANTY.** THE WARRANTIES SET FORTH IN SECTIONS 1 AND 2 HEREIN ABOVE ARE VOID IF YOU: TRANSFER THE PRODUCT TO A THIRD PARTY, MODIFY THE PRODUCT, MISUSE THE PRODUCT, SUBJECT THE PRODUCT TO ABNORMAL CONDITIONS OF OPERATION, ATTEMPT UNAUTHORIZED REPAIRS TO THE PRODUCT, DO NOT USE ORIGINAL EQUIPMENT MANUFACTURER (OEM) REPLACEMENT PARTS, DO NOT FOLLOW THE CARE AND USE INSTRUCTION MANUAL CONCERNING SPACE, ELECTRICAL AND ENVIRONMENTAL REQUIREMENTS, SUBJECT THE PRODUCT TO ACCIDENT, MISUSE OR MISAPPLICATION; OR SERVICE THE PRODUCT BY ANYONE OTHER THAN THE COMPANY OR AN AUTHORIZED SERVICE REPRESENTATIVE OF THE COMPANY OR DISTRIBUTOR
4. **WARRANTY RETURNS.** All warranty claims can be handled through the Company or Distributor. If you do not know the phone number of the Distributor, you can contact the Company at 1-800-FAST-TAN, Monday through Friday from 9:00 AM to 5:00 PM EST. Warranty covered items are to be returned on a part for part replacement. All freight charges are the sole responsibility of the Purchaser.
5. **DISTRIBUTOR WARRANTIES.** To the extent representations, warranties or commitments are extended to the Purchaser by a Distributor, such representations, warranties and commitments will be those of the Distributor alone, and will not be attributed to the Company and the Company shall not be responsible for same.
6. **DISCLAIMER OF WARRANTIES.** EXCEPT AS EXPRESSLY STATED IN SECTION 1 AND 2 HEREIN ABOVE, THERE ARE NO OTHER WARRANTIES BY THE COMPANY OR DISTRIBUTOR, EXPRESSED OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE. THE COMPANY AND DISTRIBUTOR DISCLAIM ALL IMPLIED AND EXPRESS WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
7. **LIMITATION OF LIABILITY.** THE COMPANY OR DISTRIBUTOR SHALL NOT BE LIABLE, WHETHER IN CONTRACT OR TORT, FOR ANY LOSS OR DAMAGE, INCLUDING BUT NOT LIMITED TO SPECIAL, INDIRECT, CONSEQUENTIAL, PROPERTY, ECONOMIC OR PERSONAL DAMAGES OF THE END USER, OR THIRD PARTIES, EVEN IF ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES, ABOVE OR BEYOND THE REPAIR, REPLACEMENT OR REFUND OF ANY DEFECTIVE PRODUCT, WHICH SHALL BE THE PURCHASER'S SOLE REMEDY. THE PURCHASE PRICE OF THE PRODUCT IS A CONSIDERATION IN LIMITING THE COMPANY'S AND DISTRIBUTOR'S LIABILITY.
8. **LOCAL LAWS.** Laws pertaining to the rights and limitations of the Warranty vary from state to state. The limitations set forth herein many not be applicable to the Purchaser, or Purchaser may have other legal rights not referenced herein.
9. **MISCELLANEOUS**
 - 9.1 **GOVERNING LAW.** This Warranty shall be governed by, interpreted by and enforced in accordance with the substantive and procedural laws of the State of New Jersey, and the United States of America, conflict of laws notwithstanding. This Warranty and any such claims, disputes or actions is domiciled. The Company, Distributor and Purchaser hereby agree to submit to the subject matter and personal jurisdiction and venue of said courts to resolve any disputes. If any term or provision of this Warranty is adjudicated to be invalid by any Court have jurisdiction, such provision shall be inoperable and deemed omitted and shall not invalidate the remaining provisions hereof.
 - 9.2 **ENTIRE AGREEMENT.** This Warranty constitutes the entire agreement of the Purchaser, the Distributor and the Company as to the subject matter and there are no other understandings, agreements or terms, whether oral or written, between the Company and the Purchaser.
 - 9.3 **READ AND UNDERSTAND THIS WARRANTY.** Before signing and returning this warranty, the Purchaser acknowledges that Purchaser has read and understands the terms herein, or has had the opportunity to have them read and explained to the Purchaser by an authorized representative.
10. **VALIDATION.** To validate that you are the original purchaser of the Product from the Company or a Distributor and to ensure that you receive the above-recited benefits under the Warranty, please provide the information on the warranty card, sign the card and mail it within (30) days of purchase to:
 Warranty Department
 PC Tan
 1040 Wilt Avenue
 Ridgefield, NJ 07657
11. **SPARE AND REPLACEMENT PARTS.** Original Equipment Manufacturer's (OEM) lamps and replacement parts are available by direct order. To order, call 1-800-FAST-TAN. Please have Credit Card information available when calling or write:
 PC Tan
 1040 Wilt Avenue
 Ridgefield, NJ 07657

Remarks

Remarks



warranty card	Company Name/Contact:	
Delivery Address	Street: _____ City, State: _____ Zip Code: _____ Phone: _____	
Model	KBL pureEnergy 5.0	
Serial #		
ACS	<input type="radio"/> Yes	<input type="radio"/> No
aquaCool	<input type="radio"/> Yes	<input type="radio"/> No
megaVoice	<input type="radio"/> Yes	<input type="radio"/> No
Mp3-Sound-Box	<input type="radio"/> Yes	<input type="radio"/> No
Central Exhaust Air	<input type="radio"/> Yes	<input type="radio"/> No
Bluetooth	<input type="radio"/> Yes	<input type="radio"/> No
	<input type="radio"/> Single Phase <input type="radio"/> Three Phase	
Date of Install		
Installer Name and Address		
Voltages	L1/L2 _____ L2/L3 _____ L3/L1 _____	
Remarks		

Office Use Only: Date Received: _____ Received by: _____





KBL

KBL AG

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