

# User Manual

## Control Center

## NFC-Connect

## Professional Setup Manager

1014640-02 / us / 09.2017

## Legal notice

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<http://www.jk-light.com>

### DANGER!



#### Failure to observe these operating instructions:

- may result in serious injury and death,
- can result in damage to the device and to the environment.
- Read these instructions carefully before putting this tanning device into operation.
- Please observe the instructions and the code of conduct required to operate the device safely.
- Make the operating instructions and additional information from the manufacturer available to the personnel at their workplace.

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We continuously work on improving our products in order to be in line with your requirements.  
Please visit our website and download the latest user manual.

<http://support.jkamerica.com>

# 1 Control

## 1.1 User safety information

### DANGER!



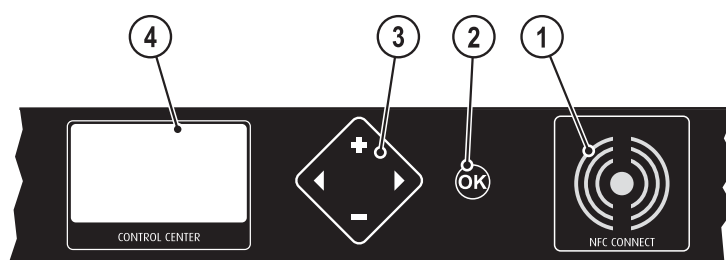
#### Danger of hearing damage!

Using earphones or headphones at high volume can result in permanent hearing damage.

- Do not set the volume too high.

Observe the warning notices in the operating instructions for the device, in particular the contraindications.

## 1.2 Control Center overview

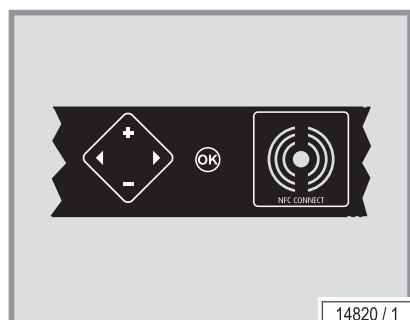


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1. NFC point
2. OK button (not always visible)
3. Navigation unit
4. Display

Sun Angel devices possess additional buttons, see page 10.

### 1.2.1 Navigation



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Confirm selection.

This button's availability is displayed in the Control Center, depending on the function that has been selected.



Select device function



Functions or settings can be activated, deactivated or changed.

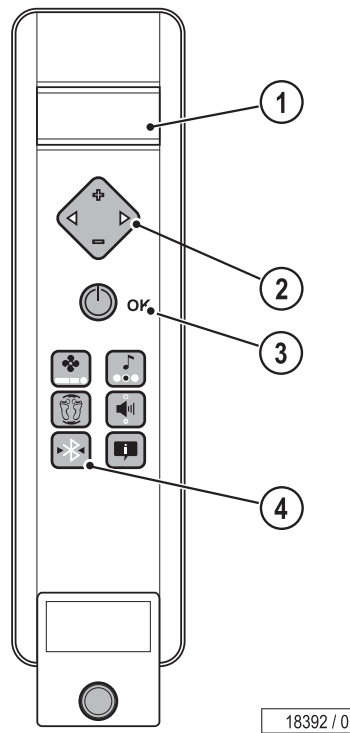
#### *Prestige- and Inspiration serie:*



NFC point

Data exchange via contactless near-field communication - individual settings can be stored on a chipcard and loaded during the next session.

### 1.3 Operating Panel overview Sunrise (Model-No.: JK 158/48-0 and JK 158/48-0 VS)



1. Display – Functions ...
2. Feature selection
3. OK button (not always visible)
4. Bluetooth® pictogram











## 1.4 User settings overview


All of the device's available functions can be pre-set in the Control Center. The fine adjustment is carried out during the application using the control panel on the inside of the device.

The user settings can be saved to a special customer card so that they do not have to be set again during the next application.

The stored data can be transferred to other devices with similar setting options.

The START/STOP button is only available on the control panel on the inside of the device.

Function	Pictogram selection / key sequence	Description / display
Body fan	 <b>HIGH ▶ AUTO LOW</b>	Pre-select low or high cooling or set to automatic.
Face fan	 <b>HIGH ▶ AUTO LOW</b>	Pre-select low or high cooling or set to automatic.
Facial tanner	 <b>▶ MAX MED OFF</b>	Select maximum or medium power or switch off.
Climatronic/ Air conditioning	 <b>▶ WARM AUTO COOL</b>	Pre-select low or high temperature or set to automatic.
AROMA	 <b>▶ ON OFF</b>	Switch AROMA on or off
AQUA SYSTEM	 <b>▶ BOTH BODY FACE OFF</b>	Switch the AQUA SYSTEM body and head nozzles on or off together or individually
Shoulder tanner	 <b>▶ ON OFF</b>	Switch the shoulder tanner on or off
Voice Guide	 <b>▶ ON OFF</b>	Switch the Voice Guide on or off
Volume	 <b>▶ HIGH AUTO LOW</b>	Basic volume setting: Loud, quiet or automatic.
Audio system	 <b>▶ AUX SALON SOLARIUM OFF AUTO</b>	Select the audio system or switch off

Function	Pictogram selection / key sequence	Description / display
<i>Prestige- and Inspiration serie:</i>		
Transfer data 	<b>TO SAVE HOLD DATA CARRIER CLOSE TO THE TRANSMITTER</b>	Hold the customer card close to the NFC point (maximum distance 3 cm) to transfer the settings
Data transfer	<b>DATA TRANSFERRED</b>	
Welcome	<b>WELCOME</b>	Welcome text in standby mode

#### 1.4.1 Prestige- and Inspiration serie: Saving the settings to a chipcard (tag)

After setting all of the functions, the next time ► is pressed the display shows the message *To save hold data carrier close to the transmitter.*

- Hold the customer card close to the NFC point.  
The settings are automatically saved to the card.

**TO SAVE HOLD  
DATA CARRIER  
CLOSE TO THE  
TRANSMITTER**

##### NFC status

The data transfer is indicated by colours.



The NFC point flashes pulsating:  
Ready for use / Standby

During the fan run-on, the NFC point flashes in transmit mode:  
The settings can be transferred to a data carrier.



The centre point of the NFC point is green:  
Settings have been successfully transferred from the data carrier to the solarium.



The centre point of the NFC point is blue:  
Settings have been successfully transferred to the data carrier.



The centre point of the NFC point is orange:  
a) Transmission error


- Hold the card in front of the point again and wait a little longer.

b) The data carrier is empty.

After tanning, the settings can be saved to the data carrier.

### 1.4.2 Prestige- and Inspiration serie: Loading settings from a chipcard

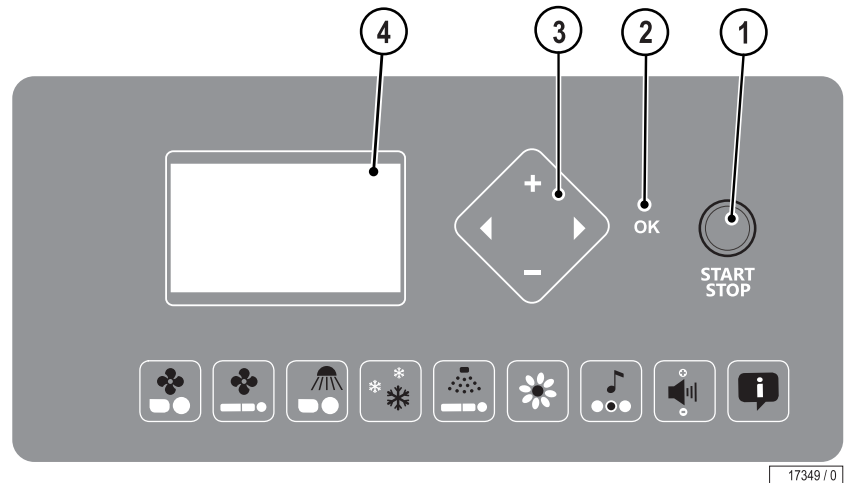
The settings saved on the customer card or service card (PROFESSIONAL SET-UP CARD, LED LIGHT SHOW & ECO TECH ENERGY SAVING) can be read by all devices equipped with Control Center and the corresponding setting options. With one restriction: The studio operator has the option of providing issued cards with a unique identification so that they can only be used in his studios.

Function	Action	Description / display
Read data		Hold the customer card close to the NFC point (maximum distance 3 cm).
<b>DATA RECEIVED</b>		The device shows whether the data transfer has succeeded or failed.
<b>NO DATA</b>		The customer card does not contain any data or the card is invalid (incorrect NFC card group)
<b>TRANSFER LIGHTING</b>		Message that data are transferred at the moment.
<b>CURRENTLY NOT POSSIBLE</b>		The device is not in Standby mode.



## 1.5 Additional Beauty Angel SUN 700 and Balance 770 SELECT functions

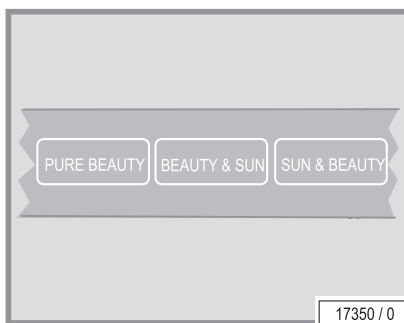
The Voice Guide on Beauty Angel devices will guide you through the individual steps for the use of the sensor.



1. START/STOP button
2. OK button
3. Navigation unit
4. Display – Functions ...

### 1.5.1 Selection of the application

Before the session begins, the desired application type must be selected. There are 3 possible selections:

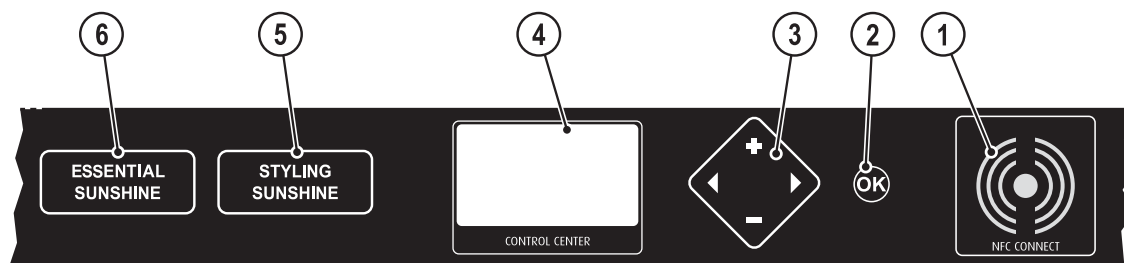


- PURE BEAUTY: Only the Beauty Light lamps are switched on. The sensor is not used for this application.
  - BEAUTY & SUN: Beauty Light lamps and UV lamps are switched on. The proportion of UV radiation is up to 30 %. The sensor is used for this application.
  - SUN & BEAUTY: Beauty Light lamps and UV lamps are switched on. The proportion of the UV radiation is higher than the proportion of the Beauty Light lamps, depending on the skin type and base tan. The sensor is used for this application.
- Press the button for the desired type of application.

If the sensor is not used the device will be operated using the legally prescribed minimum power of the UV lamps.

## 1.6 Additional Sun Angel functions

Sun Angel tanning units display the individual steps for the use of the sensor in the Control Center. The application type selection is now part of the expanded controls of the Control Center.



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1. NFC point
2. OK button (not always visible)
3. Navigation unit
4. Display
5. Application type: STYLING SUNSHINE
6. Application type: ESSENTIAL SUNSHINE

### 1.6.1 Selecting the application type

Before the session begins, the desired application type must be selected. There are 2 possible selections:

- ESSENTIAL SUNSHINE: Only the UV-B lamps are switched on.
- STYLING SUNSHINE: UV-A lamps and UV-B lamps are switched on.
- Press the button for the desired application type.



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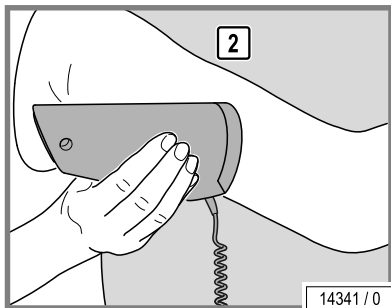
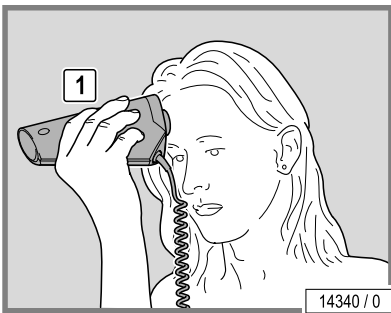
### 1.6.2 Measurement (automatic mode)

If the sensor is not used the device will be operated using the legally prescribed minimum power of the UV lamps (see the function description in the device's operating instructions). The device's operating instructions also contain a detailed description of the sensor display.



**NOTICE:**

The blood flow of the skin has an effect on the measurement result. As a result, your physical condition on the day, sporting activities or extreme ambient temperatures can result in different measurement results.



Display	Description
<b>NFC-MEDIUM</b> ▶ ◀ <b>PROGRAM</b>	Sun Angel devices are also capable of reading a customer card or the application type can be selected manually as described above.
<b>TAKE SENSOR FROM ITS HOLDER</b>	After selecting the application type the sensor must be removed from the station in automatic mode.
<b>1. MEASUREMENT FOREHEAD</b>	Hold the sensor to your forehead (not in the centre), press and wait for the signal tone. The measurement must be repeated if a corresponding message is displayed.
<b>2. MEASUREMENT BODY</b>	Place the sensor on the lightest place on the body, for example on the inside of the upper arm, and press. Wait for the signal tone. The measurement must be repeated if a corresponding message is displayed.
<b>SENSOR RETURN TO STATION</b>	
<b>MEASUREMENT ▶ OK</b> <b>COMFORT SELECTION</b> ▶ <b>OR ENTER THE TANNING BED</b>	Now you can pre-set all of the device functions, see page 6 onward. These settings can be saved to a customer card. <b>Note:</b> The measurement results are not saved to the customer card.
<b>MEASUREMENT ▶ OK</b> <b>COMFORT</b> ▶ <b>OK</b> <b>TANNING BED READY TO OPERATE</b>	The application can start.

**SENSOR MEASUREMENT INVALID**

**Measurement failed 4x**

If a measurement fails 4x then the device will operate at the minimum legally required power setting.

Start: see the operating instructions for the device.

## 2 Professional Setup Manager

In the Professional Setup Manager operating states can be called up and presettings entered.

### 2.1 General instructions



#### NOTICE:

- Presetting mode can only be called up when tanning is not taking place.
- 8 seconds after the last button was pressed, the device changes automatically into standby mode and the currently set values are saved.

#### 2.1.1 Opening the Professional Setup Manager (Presetting mode)

- To open the Professional Setup Manager press  for approximately 3 seconds.

In delivery condition you immediately access the presettings.



If a master code has been set:

- Enter the master code.

#### *Prestige- and Inspiration serie:*

Alternatively, you can call up the presettings with the PROFESSIONAL SET - UP CARD:

- Hold the PROFESSIONAL SET - UP CARD close to the NFC point.

#### Control



Confirm selection.

This button's availability is displayed in the multi-function panel, depending on the function that has been selected.



Select device function



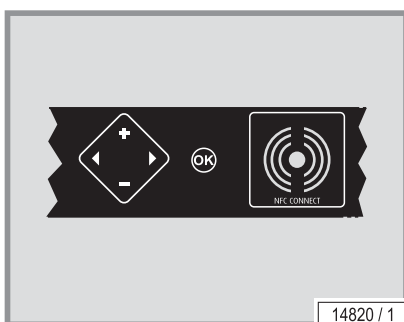
Functions or settings can be activated, deactivated or changed.

#### *Prestige- and Inspiration serie:*

##### NFC CONNECT



Data exchange via contactless near-field communication - individual settings can be stored on a chipcard and/or transferred to the device.



## 2.1.2 Master code

The master code allows you to access all of the presettings.

If you know the current master code, you can specify a new code at any time.

If you have forgotten the code, please contact customer service.

### Code upon delivery (factory default)

Master code: 0001 (no entry necessary)



#### NOTICE:

We recommend that you set a new master code when starting up the device for the first time in order to prevent unauthorized access to the presetting mode.




Please make a note of the code for customer service.

### Changing the code

- In the Professional Setup Manager please select the '01 Control' menu.
- Continue pressing the right arrow until the master code display appears.

Display:	Change master code:
	<p>Change the current digits using + or -.</p>
	<p>Use the arrow keys to select the next digit.</p>
	<p>Press the right arrow once the desired code has been set. The set code is saved.</p>

### 2.1.3 Viewing and changing presets

Display:	Action:
	Use the arrow keys to access the previous or following main menu.
	In some cases, a selection must be confirmed with OK.
	The OK button is only visible if it is required in the current situation.
	Changing values: Press + and - to change a digit, use the arrow keys to change between digits.
	Example: Highlight a selection field. Use the arrow keys to move between the sub-items. Use the plus or minus button to select or deselect items.

#### Changing a presetting






##### NOTICE:

To scroll through the pages or change any settings, do not hold down the button (scroll). Instead, touch the button several times sequentially:

The value changes when the button is pressed

- up to 5 times in individual steps,
- between 5 and 10 times in steps of five,
- and then in steps of 10.

#### Resetting to the delivery condition

Display	Description
	Select the 'Operation' menu and open with OK.
	Press and hold the START/STOP button until 'Activate', 'Reset' appears. Press the + button.
	All presettings are reset to their factory default values.

## 2.1.4 Prestige- and Inspiration serie: Chipcards











The settings in the presetting menus can be saved to chipcards. Pre-configured chipcards are available on which only specific settings can be saved. This allows for quick and convenient data transfer to other devices.

PROFESSIONAL SET-UP CARD: All settings are saved on this card; it also serves as a backup.










LED LIGHT SHOW: The accent lighting settings are saved on this card.






ECO TECH ENERGY SAVING: The settings from the EcoTech menu are saved on this card.

## 2.2 Presettings overview


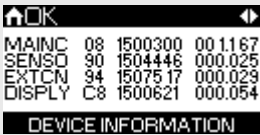
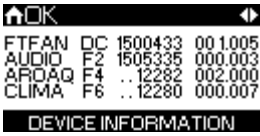
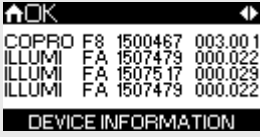
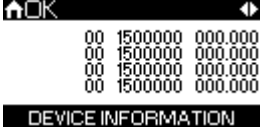
Default setting	Description
Menu 01 CONTROL	
	Multi-function panel settings for the user: Key tones, display settings, selection of the functions displayed on the user menu.
	Display brightness: 0-10
	Display contrast: 30-50
	Tone selection: 1 (beep) / 2 (click) / 3 (laser)
	Key tone volume: 0-25
	Time: on or off
	Change the master code.
	<i>Prestige- and Inspiration serie:</i> The 4-digit alphanumeric PIN which is written to the cards as identification. This enables studios and operators to define card groups.
	Selection of the functions displayed in the user menu (additional functions are displayed using the right arrow).
	Welcome text in standby mode. Maximum text length: 3 lines each with 13 characters


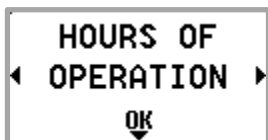

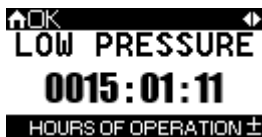
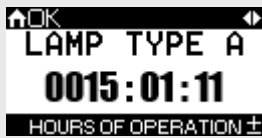

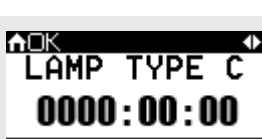
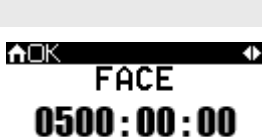
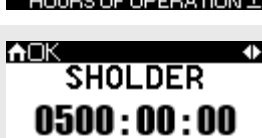



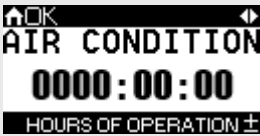
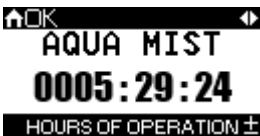







Default setting	Description
Menu 02 LIGHTING	
	Set the duration and colours of the accent lighting
	<p>Select a preset or custom designed programme:</p> <ul style="list-style-type: none"> <li>Ergoline 0-999 (no customized colour selection)</li> <li>Sun Angel 1000-1999 (no customized colour selection)</li> <li>Not assigned 2000-2999 (no customized colour selection)</li> <li>Static 3000 (with customized colour selection)</li> <li>Own 3001 (with customized colour selection)</li> <li>Card 4000-4999 (no customized colour selection)</li> </ul>
	<p>01-90</p> <p>Force static</p>
	LED brightness: 100% / 80% / 60%
	Permanent or time in minutes
	Switch day timer on or off
	The time from when to when the accent lighting is switched on can be defined for each day of the week (Monday to Sunday).
Menu 03 ECO TECH	
	This menu can be used to change the performance of individual components in order to optimize energy consumption.
	Switch ECO mode on or off. The performance of individual components can be changed when ECO mode is activated.

Default setting	Description
 <p>PERFORMANCE</p> <p>UV-PERFORMANCE ±</p>	<p>PERFORMANCE/ECO</p> <p>When ECO mode is selected the lamp output is decreased slightly. Select PERFORMANCE to utilize the full lamp output.</p>
 <p>ACTIVATED</p> <p>AIR-CONDITION ±</p>	<p>Switch air conditioning on or off.</p>
 <p>ACTIVATED</p> <p>HEATING ±</p>	<p>Switch heating on or off.</p>
 <p>ACTIVATED</p> <p>VENTILATION ±</p>	<p>Switch ventilation (head and body cooling) on or off.</p>
 <p>80%</p> <p>LIGHTING ±</p>	<p>There are 3 settings for the accent lighting brightness: 100%, 80%, 60%</p>










## Menu 04 DEVICE INFORMATION









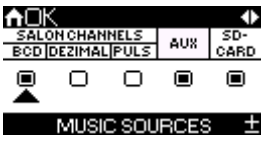
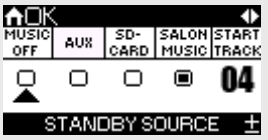
 <p>TANNING BED INFORMATION</p> <p>OK</p>	<p>Technical information about the device such as bus addresses, software version</p>
 <p>MAINC 08 1500300 001.167 SENSO 90 1504446 000.025 EXTCN 94 1507517 000.029 DISPLY C8 1500621 000.054</p> <p>DEVICE INFORMATION</p>	<p>Information for the customer service about the installed components.</p>
 <p>FTFAN DC 1500433 001.005 AUDIO F2 1505335 000.003 ARDAQ F4 ..12282 002.000 CLIMA F6 ..12280 000.007</p> <p>DEVICE INFORMATION</p>	<p>Information for the customer service about the installed components.</p>
 <p>COPRO F8 1500467 003.001 ILLUMI FA 1507479 000.022 ILLUMI FA 1507517 000.029 ILLUMI FA 1507479 000.022</p> <p>DEVICE INFORMATION</p>	<p>Information for the customer service about the installed components.</p>
 <p>00 1500000 000.000 00 1500000 000.000 00 1500000 000.000 00 1500000 000.000</p> <p>DEVICE INFORMATION</p>	<p>Information for the customer service about the installed components.</p>











Default setting	Description
	Information for the customer service about the installed components.
Menu 05 HOURS OF OPERATION	
	The operating hours for all of the maintenance-relevant components can be called up and reset using this menu.
	Total device operating hours.
	Low-pressure lamp operating hours. Automatically reset when the lamp set and the corresponding chipcard are replaced.
	Type A low-pressure lamp operating hours (Only for devices with 2 types of lamps such as the Sun Angel). Automatically reset when the lamp set and the corresponding chipcard are placed.
	Type B low-pressure lamp operating hours (Only for devices with 2 types of lamps such as the Sun Angel). Automatically reset when the lamp set and the corresponding chipcard are placed.
	Type C low-pressure lamp operating hours (only for combi-devices with collagen lamps). Automatically reset when the lamp set and the corresponding chipcard are placed.
	Remaining operating hours for the high-pressure lamps in the facial tanner
	Remaining operating hours for the high-pressure lamps in the shoulder tanner
	Remaining operating hours for the filters in the canopy and front panel.

Default setting	Description
	Operating hours of the air conditioning and the filter in the air conditioning.
	Operating hours of the Aqua Fresh function.
Menu 06 Time	
	Time and date settings
	Set the time
	Set the date
	24 hour time display on or off.
Menu 07 AC / COOLING	
	Threshold temperatures for switching the air conditioning and heating on and off
	Switch the air conditioning on or off
	Switch the heating on or off







Default setting	Description
	Only for units with Climatronic: The maximum temperature which the user can set on the device.
	Only for units with Climatronic: The lowest temperature which the user can set on the device.
	The heating starts at the temperature specified here or at a lower intake air temperature.
	Lower air conditioning temperature threshold
	Room temperature setpoint (only for ventilation systems with warm air recovery)
	Activate or deactivate the warm air recovery
	Changing between °Celsius and °Fahrenheit
	Device fan warm-down time
	Switch the ventilation on and off (when ECO MODE is activated)
	Switch winter mode on or off; this setting optimizes the device's energy consumption. OFF = summer mode: At room temperatures above 25°C the minimum temperature of the body cooling is increased by 5°C.

Default setting	Description
Menu 08 AROMA / AQUA SYSTEM	
	AQUA / AROMA SYSTEM maintenance
	Ventilate after fitting or exchanging a canister Test mode: Function test after ventilation Off: For the customer service Filling mode: For the customer service
	Flow rate control (AQUA SYSTEM pump); Values in %
	Activation/deactivation of cubicle/cabin fragrancing
Menu 09 SENSOR / UV PROGRAM	
	Select the operating mode and additional settings for Sun Angel devices
	Operating mode preselection: When set to automatic only automatic mode is possible
	Tanning time in automatic mode
	Effect in automatic mode: Time following the successful measurement after which the tanning device automatically starts. Actual value = preset value x 2
	Preselection of the default tanning programme.

Default setting	Description
Menu 10 OPERATION	
	Various settings for operating the device
	Message if cubicle door is not closed. When 'Activated': The door contact activates the cabin fragrancing (for devices with the AQUA system) and also generates the start tanning enable signal.
	Activated: Cleaning must be acknowledged.
	The device switches off if 30 minutes are exceeded (emergency off).
	Reset the device to the factory defaults.
	
Menu 11 SOUND	
	
	Activating / deactivating the Voice Guide
	Selection of the audio source
	Define the standard audio source in Standby mode

Default setting	Description
	Define the standard audio source at start
	Enables direct source selection
	Audio system volume at start (in %)
	Maximum volume setting
	Bass setting
	Treble setting
	Number of available studio channels
	SD card only If activated: Tanning start activates the random generator for selecting the music tracks
	Basic volume for automatic volume control
	Activate, deactivate the Bluetooth® function permanently. If activated: The Bluetooth® symbol is displayed in standby.



Default setting	Description
	<p>Change the Bluetooth Connect Pairing name. The number and name can be adapted.</p> <p>Standard: 01 Ergoline</p>
<i>Prestige- and Inspiration serie:</i> Menu 12 DATA TRANSFER	
	<p>Select when data shall be transferred to and from the service card (PROFES- SIONAL SET - UP CARD, LED LIGHT SHOW &amp; ECO TECH ENERGY SAVING).</p>
	<p>Message displayed temporarily: information.</p> <p>Message displayed constantly: Please call Service.</p>
	<p>Message during transfer (example).</p>
	<p>There is a message when the data have been transferred successfully.</p>
	<p>Message when a wrong card is used or when a card with a differing studio identification is used.</p>

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