



USER MANUAL (IFU)

BBB Med S9001

BBB
BODY BOOST BED

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This manual contains essential information on safety warnings, operating instructions and the assembly of the device. It must not be used solely for installation or maintenance, but also to gain a proper understanding of the overall operation of the equipment. Anyone using this device must be correctly informed and, if necessary, supervised. It is your responsibility to ensure that each user receives the appropriate explanations and assistance for safe and effective use.

Read this first

The information in this manual concerning assembly and operation must be complied with in full. Failing that, the product warranty or the supplier's liability may be voided. If you are not certain that the instructions in this manual have been followed correctly, you must contact the supplier of the device.

Before any session, the client must complete the following forms:

- ◇ User contact details,
- ◇ User medical history form,
- ◇ Consent form.

- 1 | If the Body Boost Bed S9001 (BBB S9001) does not operate as described in this manual, contact your authorised Body Boost Bed dealer immediately.
- 2 | Repairs must only be carried out by qualified personnel. The client is not authorised to carry out modifications, repairs or maintenance on the device. Servicing must only be performed by personnel approved by the manufacturer.
- 3 | The BBB S9001 may only be installed if the ambient humidity is below 60%.
- 4 | When installing the BBB S9001, the minimum required space and distances must be respected as indicated in the "Dimensions" section of this manual. The rear of the BBB S9001 and both sides must be at least 30 cm from the wall.
- 5 | None of the transparent plastic parts, i.e. the part on which patients lie and the part above the patients, must come into contact with sharp objects.
- 6 | Never use alcohol-based cleaners as they can damage the transparent plastic.
- 7 | The BBB S9001 must not be used if the transparent plastic is damaged or broken.
- 8 | Users must follow the instructions given by the personnel authorised for the BBB device. Any unapproved use is prohibited.
- 9 | During treatment, the patient must wear eye protection against infrared rays (these goggles are supplied with the device). The maximum optical radiation output is 2.97 J / cm². The maximum output variation is ± 1%.
- 10 | If the power cord is damaged, it must be replaced by qualified personnel in order to avoid undesirable risks. The BBB S9001 must be connected to a supply network fitted with an earthed (GND) socket.
- 11 | It is not recommended to use electronic devices (mobile phone, tablet, watch, etc.) during treatment.
- 12 | The floor in front of the BBB S9001 must be covered with a non-slip layer with good grip (rubber or similar) to avoid any risk of falling when entering or exiting the device.

Restrictions of use

- ◇ Pregnancy and/or breastfeeding,
- ◇ Children under 7 years of age,
- ◇ Physical or psychological illness affecting the ability to give consent,
- ◇ Patients with cancer, except on medical prescription,
- ◇ Acute skin disease requiring dermatological treatment
- ◇ History of photosensitivity or recent use of photosensitising medication,
- ◇ Topical corticosteroid treatment,
- ◇ Maximum user weight: 135 kg.

Warnings for the client

The light source flashes at a precise rhythm. The BBB S9001 device is almost completely enclosed and can cause panic attacks and claustrophobia during treatment. In such cases, treatment must be stopped immediately and the client must be placed under the supervision of authorised medical personnel.

General information about the BBB S9001

The BBB S9001 is designed for full-body treatment. The device features 6,750 LEDs (near-infrared, red and blue diodes) with no heat emission. The diodes are of high quality and have a service life of up to 50,000 operating hours.

Wavelengths:

- | | |
|-----------------------------|---|
| Blue 470nm: | Helps destroy the bacteria responsible for acne and inflammatory skin processes. |
| Red 630nm: | Activates the cells to produce collagen and elastin, has anti-inflammatory effects that help reduce pain and inflammation, and reduces the redness associated with tingling. |
| Near-infrared 940nm: | Activates the cells to produce collagen and elastin, helps relax the muscles and reduces muscle cramps, reduces muscle pain and joint stiffness, relieves pain due to arthritis-related stiffness and stimulates blood circulation. |

“Welltherm” pre-heating function

The LEDs built into the BBB S9001 do not give off any heat, which is why the device incorporates “Welltherm” technology, which regulates the temperature during treatment using a flow of warm air. “Welltherm” provides a pleasant sensation during all phases of the treatment.

Multifrequency technology

Why is the BBB S9001 unique in LED light therapy technology?

The BBB S9001 is fitted with 6,750 non-thermal LEDs (blue, red and near-infrared spectrum) operating simultaneously and emitting light at predefined optimal frequencies.

The discovery of the multifrequency spectrum was a significant breakthrough in the field of LED light therapy.

Historically, this method was developed using laser beams, where the simultaneous application of all the necessary frequencies produced maximum bioactivity.

This system is the Multifrequency Modulation Programme (MFMP), also known as the multifrequency spectrum (MFS). The extremely positive results of the MFMP are applied and recognised worldwide.

The BBB S9001 is a unique device that uses a multifrequency system in the frequency range from 12.2 Hz to 142,857 Hz. The BBB S9001 is recommended for:

- ◇ Pain (muscle and joint)
- ◇ Circulation disorders, including wound healing
- ◇ Skin ageing and wrinkles (skin rejuvenation)

Contraindications

Listed in the “Restrictions of use” section

Undesirable effects

- ◇ Allergy to acrylic glass
- ◇ Hypersensitivity to the disinfectant. If you are allergic to the disinfectant, wipe the surface with a clean cloth soaked in water after disinfecting.

Protocols

- ◇ The user must be completely undressed to use the BBB S9001
- ◇ Before the first treatment, the user will be shown how to use the cabin.
- ◇ Single 25-minute session

Note

The following protocols are provided for guidance only. Treatment may vary depending on your health condition, your age and other factors.

Protocols for:

Circulation disorders, including wound healing

- ◇ One treatment 3 times a week for 10 weeks, then one treatment 2 times a week for 3 weeks (Note: depending on the patient's state of health, the doctor may change the protocol to 5 treatments a week for two weeks, then

continue with the usual protocol.

- ◇ Once the basic treatment protocol is completed, the patient must be examined by a doctor to determine the next steps of the treatment

Skin rejuvenation:

- ◇ One treatment 3 times a week for 15 weeks.
- ◇ Once the basic treatment protocol is completed, the patient must be examined by a doctor to determine the next steps of the treatment

Pain reduction:

- ◇ One treatment 4 times a week for the first week, then one treatment 3 times a week for 2 weeks.
- ◇ Once the basic treatment protocol is completed, the patient must be examined by a doctor to determine the next steps of the treatment.

Operating instructions

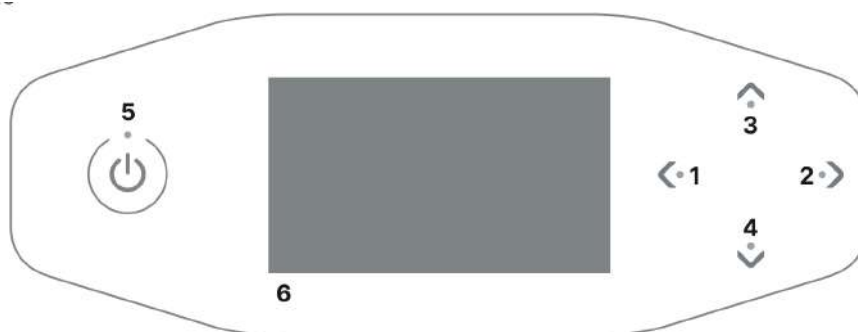
Important note During treatment, the user must not wear any clothing or jewellery.

The BBB S9001 has been designed to be easy to use. The touchscreen control panel consists of:

- ◇ A preset programme: a session lasts 25 minutes. (Operation can be stopped and restarted mid-cycle)
- ◇ "Welltherm" function for temperature control
- ◇ Face ventilation function
- ◇ Music selection channels
- ◇ Music: front or rear function
- ◇ Volume control

Operation

1. Select the option on the left
2. Select the option on the right
3. Scroll up in the selected option
4. Scroll down in the selected option
5. Start/ Stop/ Pause/ green ready light
6. Display



Autonomous mode

Press  once. The maximum session time is shown on the screen.

Press  once to confirm the session time. The BBB S9001 switches on and the session begins.

Pause mode

Press  once during the session to put the BBB S9001 into pause mode. The LEDs then switch off and the cabin remains paused for a maximum of 4 minutes. The remaining time is still displayed at the top of the screen. Press  once to restart, and “press and hold” for 3 seconds to end the treatment.

15:00

Set time

15:00

Pause

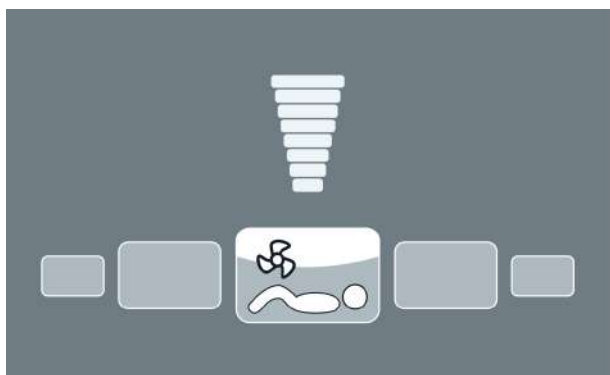
Press  to continue

Note

The session time countdown continues to run during “pause mode”.

Function control

The ◀ and ▶ buttons can be used to select the desired control function. Only the installed options will be shown on the screen.



Body ventilation/heating

The ▲ button can be used to increase the cooling/heating ventilation on the body. The ▼ button can be used to decrease the cooling/heating on the body. Body cooling can be set to 8 levels. If body cooling is set to level 1 to 4, the heating switches off automatically. To be able to switch the heating back on, set the body ventilation to level 5 or higher.

The body ventilation cannot be switched off.

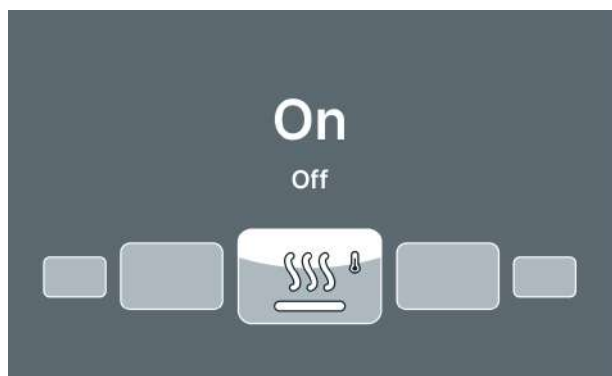


Face ventilation

The ▲ button can be used to increase the face ventilation. The ▼ button can be used to decrease the face ventilation, which can be set to 8 levels.



The ◀ and ▶ buttons can be used to select the desired control function. Only the installed options will be shown on the screen.



“Welltherm” pre-heating function

The user can choose to activate or deactivate the heating (OFF or ON position) in “Welltherm”. When the treatment session begins, the heating will be active.



Switch song (with sound system only)

If “Channel 1” or “Channel 2” is selected, the ‘switch song’ function is activated.

The ▲ button can be used to select the next song.

The ▼ button can be used to select the previous song.



Music volume (with sound system only)

The ▲ button can be used to increase the speaker volume.

The ▼ button can be used to decrease the speaker volume.

The text “Volume” appears at the bottom of the screen. The volume can be set to 8 levels.

Messages

Malfunction

When a malfunction occurs, the    and  buttons flash while the machine is on standby. The machine also emits 3 rapid beeps once a minute. Press the four buttons at the same time to view the error codes.

In the event of a critical failure, the malfunction screen is displayed automatically. The text 'Malfunction' appears at the top of the screen, and the fault code and an explanation appear at the bottom. Use the  and  buttons to display the various fault messages.



Error code	Malfunction
E1 (en)	Internal timer malfunction
E3 (en)	Communication error between the relay and the switch section
E6 (en)	Unknown phase
E7 (en)	Relay failure
E11 (E11)	Communication error with the ventilation board

Note

When one of the critical faults mentioned above appears on the screen, you must no longer use the BBB MED S9001 and the plug must be removed from the mains. Contact your dealer.

If another failure occurs, the BBB MED S9001 will remain operational, but the functions will not be fully available. To correct this, contact your dealer.



Reading the hour counters and software versions

Status menu Press and hold the   and  buttons for 5 seconds. The “Quick status menu” will be shown on the screen. The hour counters and software versions can be viewed here.

Resetting the hour counters On the display, navigate to option 2 “Lamp hours” or 3 “Facial tanner hours” and press .

Enter the PIN code and press .

The hour counters are now reset.

Unit status		
1. Unit hours		2461
2. Lamp hours		257 >
4. Airco service date	01-01-2012	
5. Display software		5.4
Display pictures		2.3
Switch board		2.3
I/O Controller		1.0
Sens Controller		1.0
Ventilation board		3.0

Cleaning your BBB S9001

The acrylic material protecting the light source must not be cleaned with alcohol-based solutions. Do not use abrasive pastes or cleaning products, and take care not to scratch the surface of the material with sharp objects.

For proper hygiene, the inside of the cabin must be cleaned after each use with a disinfectant cleaning solution.

Technical specifications

Supply voltage: 220-230 Vac

Supply frequency: 50-60 Hz

Power consumption: 1,500 W

Accessible external fuse: 2 x T6.3AH250Vac (time-lag, high breaking capacity, 5x20mm)

Protection Class I

Type BF applied part

Maximum user weight: 135 kg

Operating conditions

Temperature: 15 to 30 degrees C

Relative humidity: 40-60% RH (non-condensing)

Atmospheric pressure: 700 to 1060 kPa

Storage/transport conditions

Temperature: 5 to 45 degrees C

Relative humidity: 40-80% RH (non-condensing)

Atmospheric pressure: 700 to 1060 kPa

Warning

The appliance coupler is regarded as the mains disconnection device. Make sure that the appliance inlet is easily accessible at all times while the device is in use.

Warning

To avoid any risk of electric shock, this device must be connected to a supply network with protective earth (GND).

Warning

Maintenance of the cabin must be carried out by the manufacturer only.

Symbols



Warning symbol

Wear the protective goggles supplied for the IR emitters (infrared irradiation)

Protection wavelength: 190nm-2000nm



Warning symbol

The BBB S9001 must be disconnected from the power source



Warning symbol

Caution



Warning symbol

Remove the mains plug



Symbol

Canopy



Symbol

Bench



Warning symbol

Class IIa irradiation



Warning symbol

Maximum patient weight



Warning symbol

Read the instructions before use



Warning symbol

Type BF applied part



Warning symbol

The product indicated on the delivery note must not be disposed of with household waste, nor in the glass container, in accordance with the EU guidelines in force at the time the device was placed on the market.

Warranty

Our devices are manufactured with the greatest care and in full compliance with the standards in force. Each BBB S9001 is built to meet the international IEC/EN standards. We provide a 2-year manufacturer's warranty.

Your new device has a 2-year manufacturer's warranty, which starts on the date of installation and commissioning. During the warranty period, all defects resulting from material or manufacturing faults will be repaired free of charge. Please contact your dealer for any service request. In order to make a claim under the terms of this warranty, you must be able to produce the serial number.

Not covered by the warranty

Devices whose type, serial number and/or other identification labels have been removed, damaged or altered.

Damage caused by the purchaser, negligence, transport, improper use or improper maintenance.

Damage due to the use of accessories not originally supplied by Body Boost Bed, or lower-quality accessories.

Basic safety and essential performance

The BBB S9001 is an LED cabin fitted with 6,750 non-thermal LED diodes (blue, red and near-infrared) emitting on several frequencies simultaneously, with all parameters preset for optimal treatment. Multifrequency covers the entire biofrequency spectrum and ranges from 12.2Hz to more than 142,857 Hz. (**Body Boost Bed's multifrequency range extends from 12.2Hz to more than 142,857 Hz**). It sweeps the entire frequency spectrum with the same intensity. In this

way, it activates each cell to absorb energy (light) at its own frequency.

The BBB S9001 is designed to operate in environmental conditions that are optimal for the device's performance. It can be used in commercial premises.



Basic safety and essential performance

Warning

Use of the BBB S9001 adjacent to or stacked with other equipment must be avoided because it could result in improper operation. If such use is necessary, the BBB S9001 and the other equipment must be observed to verify that they are operating normally.

Recommended cable for the mains cord with the following characteristics: H05V-k 3x0.75 mm². It may only be replaced by an authorised person.

Warning

The use of accessories, transducers and cables other than those specified or supplied by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment, and result in improper operation.

Warning

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) must not be used closer than 30 cm (12 inches) to any part of the BBB MED S9001, including cables.

The device is not harmful to the user or operator when it is used in a tested environment with an appropriate installation as suggested in this manual. There is no risk of losing the device's performance. There are no unintended responses or changes in operating mode.

Conducted emissions

The device meets the requirements for Group 1 Class B equipment according to CISPR 11.

Radiated emissions

The device meets the requirements for Group 1 Class B equipment according to CISPR 11.

BBB MED S9001 complies with the emission requirements EN 60601-1-2 Edition 4 - CISPR 11 - Group 1 Class B equipment, IEC/EN 61000-3-2 and IEC/EN 61000-3-3.

Electrostatic discharge

Operating mode	Therapy programme with heating and fans ON			
Discharge level (kV)	Polarity	Test point	Contact discharge	Air discharge
2	+/-			X
4				X
8				X
15				X
8	+/-		X	
Operational changes observed during testing: no change observed				

Never use the device in an environment with strong EMC sources, such as magnetic resonance devices, scanners or similar.

RF electromagnetic fields

Operating mode	Therapy programme with heating and fans ON		
Frequency	Level	Modulation	Test point
80MHz - 2700MHz	10 V/m	80%	Enclosure
Operational changes observed during testing: no change observed			



Proximity fields from RF wireless communications equipment

Frequency range and level: RF wireless communications equipment		
Frequency (MHz)	Modulation	Immunity level (V/m)
385 450	**Pulse modulation 18Hz *FM ±5kHz deviation: 1kHz sine	27 28
710 745 780	**Pulse modulation 217Hz	9
810 870 930	**Pulse modulation 18Hz	28
1720 1845 1970	**Pulse modulation 217Hz	28
2450	**Pulse modulation 217Hz	28
5240 5500 5785	**Pulse modulation 217Hz	9

Electrical fast transient/burst immunity test

Operating mode	Therapy programme with heating and fans ON	
Test point	Polarity	Test level (kV)
AC Port L and N and PE	+/-	2
Operational changes observed during testing: no change observed		

Surge immunity test

Operating mode	Therapy programme with heating and fans ON			
Test point	Polarity	Angle (°)	Test level (kV)	Test point
L-N	+/-	0, 90, 180, 270	0.5, 1	AC
L-ON	+/-	0, 90, 180, 270	0.5, 1, 2	AC
Operational changes observed during testing: no change observed				

Immunity to conducted disturbances induced by RF fields (CS)

Operating mode	Therapy programme with heating and fans ON		
Frequency	Level	Modulation	Test point
150kHz - 80MHz	3V	80%	AC
Operational changes observed during testing: no change observed			

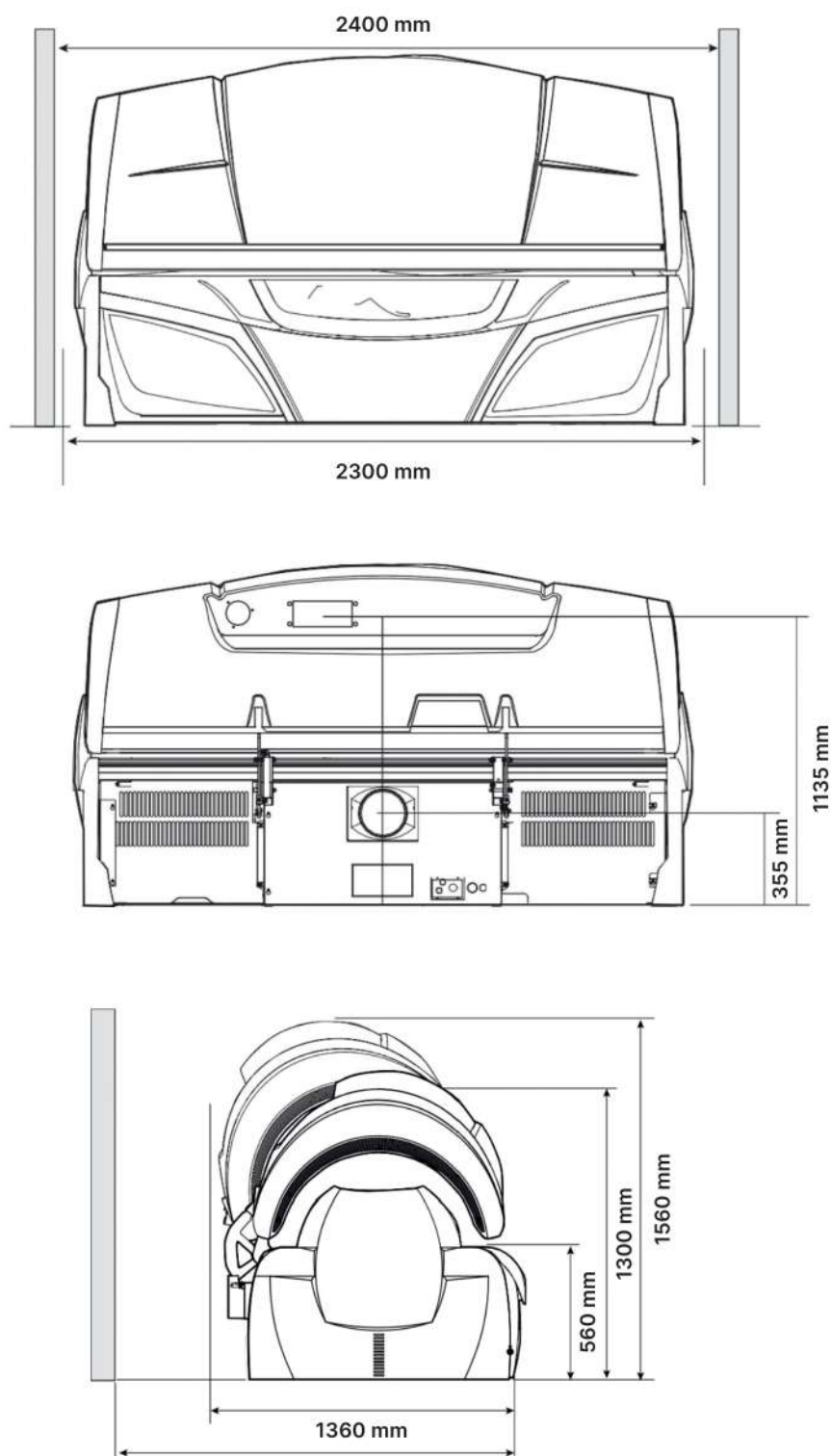
Magnetic field immunity test

Operating mode	Therapy programme with heating and fans ON		
Frequency (Hz)	Polarity	Field strength (A/m)	Test point
50, 60	X, Y, Z	30	Enclosure
Operational changes observed during testing: no change observed			

Voltage dips and short interruptions immunity test (DIPs)

Operating mode	Therapy programme with heating and fans ON	
Phenomena	Test level (DIP)	Duration (in periods)
Voltage dip	100%	0.5 (all phase angles)
Voltage dip	100%	1 (at 0° only)
Voltage dip	30%	25 (at 0° only)
Voltage interruptions	100%	250 (at 0° only)
The device stops. The therapy programme must be restarted. No ESSENTIAL PERFORMANCE or BASIC SAFETY degraded.		

Dimensions and placement





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