



**Operating Manual** 

# **Important Notes for Getting Started**

We congratulate you on your purchase of the iMRS one magnetic resonance stimulation system.

In combination with the Omnium1 control device, the iMRS one represents the latest development and application standard in the field of magnetic resonance stimulation systems for home use.

The IMRS one is a wellness system for home use.

The iMRS one complies with the following guidelines and standards:

• IEC 60601-1 Electrical Safety

• IEC 60601-1-2 Tolerance of Electromagnetic Fields

This operating manual is a component of the scope of delivery.

It should be kept close at hand and remain with the system when sold.

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# 1. Safety Instructions: Where You should be Careful

#### If you feel dizzy, be careful when standing up!

There are no negative reports on the application of Magnetic-Resonance-Stimulation anywhere in the world. However, for reasons of safety, we recommend that people with orthostatic problems (dizziness when getting up) get up very slowly and carefully after application.

#### **Avoid humidity:**

This device may not be positioned in a damp or wet room!

The strength of the field of magnetic resonance stimulation system also corresponds to no more than 120  $\mu T$  at its highest intensity setting. Thereby, it is well under the values of popular electrical household appliances and well under the recommended threshold of 400  $\mu T$  for harmlessness according to DIN 0848.

The fact that these values are in the range of the Earth's owns natural magnetic fields and the frequencies in the ionosphere (Schumann resonances) exclude all possible danger.

#### Note about electromagnetic tolerance (EMC)

Electric devices are subject to special precautions in terms of EMC and must be installed and placed in operation in accordance with the EMC instructions in the included documents. Electro devices are particular susceptible to the radio frequencies of portable and mobile communications equipment, such as cell phone phones and walkie-talkies.

The manufacturer only guarantees the compliance of the device with the EMC requirement when used with the accessories listed in 14.2. The use of other accessories may lead to increased emissions of electromagnetic interference or to reduced resistance to such interference. The accessories listed may only be used together with an Omnium1 control system from Swiss Bionic Solutions Schweiz GmbH.

The device may not be operated in combination with other devices, nor be placed in a stack of, or located in the proximity, to such other devices. However, if such an arrangement is necessary, the operation of the device must be

checked to ensure that it will operate as intended when stored in this manner.

The expansion of the magnetic field from the applicators will have largely abated at a distance of about 1.5 meters. People who are not receiving a session should remain outside the indicated range during the course of an application.

We are legally obliged, in accordance with the EMC regulations to provide you with the following information.

# **Guidelines and Manufacturer's Declaration: Electromagnetic Interference Emissions**

The iMRS one is intended for operation in an ELECTROMAGNETIC ENVIRONMENT as shown below. The customer or user of the iMRS one should ensure that it is operated in such an environment.

| Interference emission measurements                                     | Compliance    | Electromagnetic Environment Guideline   |
|--|---------------|---|
| RF emissions acc. to CISPR 11  | Group 1       | The iMRS one only uses RF energy for its internal OPERATION. Its RF emission is therefore very low and it is unlikely to interfere with neighboring electronic devices. |
| RF emissions acc. to CISPR 11  | В             | The iMRS one is suitable for use in all   |
| Emission of harmonic frequencies according to IEC 61000-3-2            | А             | establishments including those in residential, and similar areas that are directly connected to the PUBLIC POWER  |
| Emission of voltage fluctuations or flicker according to IEC 61000-3-3 | In compliance | GRID that also supplies buildings used for residential purposes.  |

| Interference<br>Immunity Tests  | IEC 60601 Test<br>Level  | Compliance Level   | Electromagnetic Environment<br>- Guidelines   |
|---|--|--|---|
| Discharge of static<br>electricity (ESD)<br>Acc. to IEC 61000-<br>4-2                                       | ± 6 kV contact<br>discharge<br>± 8 kV air dis-<br>charge   | ± 6 kV contact<br>discharge<br>± 8 kV air dis-<br>charge   | Floors should be made of wood or concrete or covered in ceramic tiles. If the floor is covered with synthetic material, the relative air humidity must be at least 30 %.  |
| Fast-transient<br>interference test/<br>Bursts acc. to IEC<br>61000-4-4                                     | ± 2 kV for power<br>supply lines<br>± 1 kV for input<br>and output lines   | ± 1 kV for power<br>supply lines<br>Not applicable   | The quality of the supply voltage should correspond to that in typical business or hospital surroundings.   |
| Surges acc. to IEC<br>61000-4-5   | ± 1 KV voltage<br>outer conduc-<br>tor-outer conduc-<br>tor<br>± 2 kV voltage<br>outer conductor -<br>ground   | ± 1 KV voltage<br>outer conduc-<br>tor-outer conduc-<br>tor<br>Not applicable  | The quality of the supply voltage should correspond to that in typical business or hospital surroundings.   |
| Voltage dips, short<br>interruptions and<br>fluctuations in the<br>supply voltage acc.<br>to IEC 61000-4-11 | < 5 % Ut<br>< (> 95 % dip in<br>Ut) for 1/2 period<br>40 % Ut (60 % dip<br>in Ut) for 5 periods<br>70 % Ut (30 %<br>dip in Ut) for 25<br>periods<br>< 5 % Ut (> 95 %<br>dip in Ut) for 5 sec | 0 % Ut<br>< (> 95 % dip in Ut)<br>for 1/2 period<br>40 % Ut (60 % dip<br>in Ut) for 5 periods<br>70 % Ut (30 %<br>dip in Ut) for 25<br>periods<br>0 % Ut (> 95 % dip<br>in Ut) for 5 sec | The quality of the supply voltage should correspond to that in typical business or hospital surroundings. If the iMRS one user requires continuous operation, even when interruptions in the power supply occur, supplying the iMRS one from an uninterruptible power supply or a battery is recommended. |
| Magnetic field at a supply frequency (50/60 Hz) acc. to IEC 61000-4-8                                       | 3 A/m  | 3 A/m  | Magnetic fields at power grid frequency should correspond to values typical for a business or hospital environment.   |

Comment: Ut is the AC power voltage before the application of the test level.

# Guidelines and Manufacturer's Declaration: Electromagnetic Stability Interference

The iMRS one is intended for operation in an ELECTROMAGNETIC ENVIRONMENT as indicated below. The customer or iMRS user should ensure that it is operated in such an environment.

| Interference<br>Immunity Tests   | IEC 60601<br>Test Level          | Com-<br>pliance<br>Level | Electromagnetic Environment - Guidelines  |
|--|----------------------------------|--------------------------|---|
| Conducted RF interference acc. to IEC 610004-4-6 Radiated RF interference acc. to IEC 610004-4-3 | 150 kHz up<br>to 80 MHz<br>3 V/m | 3V                       | Portable and mobile radio devices, including their cables, should not be used at a distance closer to the iMRS one than recommended, which has been calculated according to relevant equation for the transmission frequency.  Recommended safe distance:  d = 1,2 VP d = 1,2 VP for 80 MHz up to 800 MHz d = 2,3 VP for 800 MHz up to 2.5 GHz  Where P is the rated power of the transmitter in watts (W) according to the information from the transmitter manufacturer and d is the recommended safe distance in meters (m). The field strength of stationary radio transmitters should be investigated locally for all frequencies lower than the compliance level for Interference is possible in proximity to devices that bear the following symbol. |

NOTE 1 The higher frequency range applies at 80 MHz and 800 MHz.

NOTE 2 These guidelines may not apply in all cases. The expansion of electromagnetic quantities will be affected by absorption and reflection from buildings, objects and people.

The field strength of stationary transmitters, such as: the base stations of cordless telephones and land mobile radio systems, amateur radio stations, AM/FM radio and television transmitters; cannot be determined in advance with theoretic precision. A study of the electromagnetic phenomena of the location should be considered in order to determine the nature of the ELECTROMAGNETIC SURROUNDINGS in terms of stationary transmitters. If the field strength measured at the location where the iMRS one will be used exceeds the COMPLIANCE LEVEL mentioned above, the iMRS one should be checked to verify its OPERATION in the maner intended. If unusual performance characteristics are observed, additional measures may necessary, such as changing the orientation or choosing a different location for the iMRS one. The field strength should be less than 3V/m over the frequency range 150 kHz to 80 MHz.

6) National footnote: User here is meant in the sense of RESPONSIBLE ORGANISATION.

# Recommended Safe Distances between Portable or Mobile RF Telecommunication Devices and the iMRS one

The iMRS one is intended for operation in an ELECTROMAGNETIC ENVIRONMENT in which radio frequency interference is controlled. The customer or the iMRS one user can help with the avoidance of electromagnetic interference by maintaining the minimum distance between portable and mobile radio frequency telecommunication devices (transmitters) and the iMRS one, depending on the output power of the communication device as indicated below.

| Nominal rating of the transmitter W | Safe distance (m) dependent on transmitter frequency |      |      |  |
|-------------------------------------|--|------|------|--|
|                                     | 150 kHz to 80 MHz 80 MHz to 800 MHz 800 MHz to 2,5   |      |      |  |
| 0,01                                | 0,12   | 0,12 | 0,23 |  |
| 0,1                                 | 0,38   | 0,38 | 0,73 |  |
| 1                                   | 1,2  | 1,2  | 2,3  |  |
| 10                                  | 3,8 3,8  |      | 7,3  |  |
| 100                                 | 12 12 23   |      |      |  |

For transmitters whose maximum nominal output is not indicated in the table above, the recommended safe distance of d in meters (m) should be determined from the equation associated with the particular column, where P is the maximum nominal output of the transmitter in watts (W) according to information from the manufacturer.

NOTE 1: The higher frequency range applies at 80 MHz and 800 MHz.

NOTE 2: These guidelines may not apply in all cases. The expansion of electromagnetic quantities will be affected by absorption and reflection from buildings, objects and people.

## **FCC Compliance Statement:**

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates,

uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged

to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **SAR Compliance Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.

The highest SAR value reported under this standard during product certification for use when properly worn on the body

#### 1. 1. Contraindications

Use of the iMRS one system is contraindicated for the following conditions:

- Pregnancy
- Epilepsy
- Electronic implants such as pace makers or insulin pumps (with the exception of approval by the consulting physician)

# For the following conditions, please consult your health care practitioners on the use of iMRS one system:

- Presence of tumors
- Serious cardiac arrhythmia
- Acute attacks of hyperthyroidism
- Extreme sensitivity to electromagnetic radiation

#### 1. 2. Side Effects

A light itching on the body or a warm feeling may be felt in the prevention use. In exactly the same manner, bruises, cramps, strains, wounds and problems with the bones, joints, teeth or jaw may make themselves known as light pain as a consequence of the activation of the circulatory system. In all cases in which previously unnoticed physical reactions become noticeable as an accompaniment of the application, consultation with a doctor or therapist with experience in the application of magnetic resonance stimulation is recommended for purposes of safe clarification.

## 2. Intended Use

With the iMRS one magnetic resonance stimulation system, weak, pulsating electromagnetic fields are used to activate various physiological processes in the body. This occurs through the magnetic field pulses and the strength of these magnetic fields is no stronger than the average magnetic flux density of the Earth's own magnetic field.

Use other than as described in this manual may lead to damage to the device and unintended health consequence and should therefore be avoided.

# 3. Possible Applications

#### The iMRS one magnetic resonance stimulation system can be used:

- For relaxation
- For prevention
- for overall wellbeeing

# 4. Scope of Delivery



iMRS one Android software
(Pre-installed on the Omnium1)



OmniMat



OmniPad



OmniSpot
Not included with the iMRS one basic set



D/A Converter



20-pin Cable



**Operating Manual** 

If one part should be damaged or missing, please contact your consultant at Swiss Bionic Solutions.

## 4.1 Control Unit

The iMRS one will only function in connection with the Omnium1 control unit. The Omnium1 control device is included in the scope of delivery for all iMRS one sets available. You will find the operating instructions for the Omnium1 in the special manual that accompanies the control device.



Omnium1 Tablet



Charging unit



Earphones



20 Pin Cable



**Quick Start Guide** 

## 5. Installation

- 1. Take the individual parts out of the packaging. Place the full-body applicator on a stable, even surface, such as on the floor, on a couch or under the mattress (but not box-spring mattresses) of your bed (pay attention to the intensity adjustment, please). Heavily shaped and soft furniture, such as a sofa, chair, very soft surfaces should be avoided, since the pressure load on uneven supports may lead to damage to the built-in copper coils.
- 2. Aside from this, make sure that your environment is as free of electro-smog as possible. There should not be any devices like: TVs, microwave ovens, radio-based telephones and so forth in the immediate vicinity (approx. 1-2m) during an application.
- 3. Connect one of the supplied applicators to the Omnium1 control device as follows:
  - Connect the supplied D/A converter with the 20-pin ribbon cable
  - Connect the second plug attached to the 20-pin ribbon cable with the corresponding connection on the Omnium1 (see the Omnium1 operating manual).
  - Connect the desired applicator with the D/A Converter.
- 4. Make sure that battery for your Omnium1 has been sufficiently charged. The application will not be possible if the battery charge state drops below 5%. In that case, connect the power supply with the Omnium1 (see the Omnium1 operating manual).
- 5. Check the system time selected (upper right) and set it to the current time, if necessary (see the Omnium1 operating manual). The built-in organ clock will adjust automatically to this system clock during an application.

## 5.1 Installing / removing the battery

To install the battery, open the rear battery cover, connect the plug to the connector on the tablet, place the battery in the compartment and close the cover.

To remove the battery, open the rear battery cover, pull out the battery, disconnect the cable and close the cover.

## 6. Activation

After you have completely installed the system and checked the battery charge state, activate the iMRS one app by tapping the program icon (1) on the Omnium1 desktop (2).



Afterwards, the iMRS one initial screen will display the legally indicated contraindications. As soon as it has been acknowledged (by pressing ENTER), you will see the user interface for the iMRS one application.





# 7. 7. Saving and Loading Pre-set Parameters

The iMRS one application provides you with the ability to save various users in advance. You can save all organ clocks with all time and intensity levels for each applicator in advance and load them as needed.

## 7.1 Saving

In order to create a new user, tap on the " \* Settings" button on the user interface and then tap "Users".



Tap the "Name" entry (4) and overwrite the placeholder. Then, tap on Next and the virtual keyboard will disappear

You can now start making settings for the first applicator with the first organ clock setting. To do so, tap the circle next to Timer (3) and set the desired application duration from 1 to 60 minutes. It can be set in steps of 1 minute.

Afterwards, tap the circle next to Intensity (5) and set the desired intensity of the magnetic field (flux density). This setting has been divided into the levels: Sensitive, 10, 25, 50, 100, 150, 200 and 400.

Tap on "Next" (6) to set the next organ clock. If you have set all four organ clocks (morning, afternoon, evening and night), you will automatically be taken to the next applicator.

If you have set all of the applicators, tap on "Save" (6) to save your entries permanently on the Omnium1.

If you want to create another user, tap the "+" icon (2) above the list of users and repeat the process (in principle, any number of users desired can be created).

If you created all of the users desired, you can tap "Back" (1) to return to the main screen for the iMRS one application.

## 7.2 Loading

Choose the user, once the system has successfully been started. To do that, tap on the User icon (2). A list of all of the created users (1) will appear. Tap on the desired user and start the application by tap the "Start/Stop" button (3). The iMRS one application will always detect automatically the connected applicator and use the pre-set user parameters from internal memory.



## 8. Starting an Application

Connect the D/A converter and the desired applicator (see Chapter 5, Installation) and start the iMRS one application (see Chapter 6, Activation). After the system has been successfully started, chose the desired application duration. To do so, tap the circle next to Timer (1) and set the desired application duration from 1 to 60 minutes. It can be set in steps of 1 minute.

Afterwards, tap the circle next to Intensity (4) and set the desired intensity of the magnetic field (flux density). This setting has been divided into the levels: Sensitive, 10, 25, 50, 100, 150, 200 and 400.

The integrated organ clock will automatically adjust to the time set on your Omnium1. You can see the organ clock setting on the display in the upper right corner (3). However, if you want to change it manually, tap on the organ clock icon (2) and choose the desired organ clock setting (morning, afternoon, evening or night).

The magnetic field application can be started by tapping the Start/Stop button (5).



# 9. 9. Quick Start Programs

In addition to the parameters that can be manually set, the iMRS one application provides five pre-set quick start programs (exclusive with the full body applicator). Tapping one button will suffice to activate the following programs:

- · Relaxation: decreasing magnetic field intensity
- · Performance: short duration with higher magnetic field intensity
- · Activation: short duration with higher magnetic field intensity
- · Sleep: decreasing magnetic field intensity
- · Regeneration: longer duration with very low magnetic field intensity

The magnetic field application will start immediately after you have touched one of the five quick start buttons. All of the necessary parameters have already been defined.

## 10. Settings

Tapping on the " X Settings" button will open a sub-menu with various menu items. Tap the desired button to open a sub-menu item.



#### 10.1 About

From this sub-menu item, you can see the version of the firmware & hardware, the serial number for the D/A converter (if it is connected), the version of the iMRS one software app as well as the serial number of the Omnium1 unit.

## **10.2 Factory Settings**

By tapping the "Reset Factory Settings" button, you can restore the iMRS one app to its delivery state.

Note: all of the stored users will be deleted.

#### 10.3 Users

See Chapter 7, Saving and Loading Pre-set Parameters.

## 11. Updating

Whenever your Omnium1 is connected to the internet (via WIFI), your iMRS one App automatically verifies, whether a new software version is available. In this case a notification appears on your screen. Please klick on "YES" followed by clicking on "Install". The System will automatically update the App to the newest version.

## 12. Applicators

Three applicators are available for selection for the iMRS one app.

#### 12.1 OmniMat

The full body mat (OmniMat) delivers a 100% analog, pulsating, electromagnetic field exposure for the entire body while lying on the applicator. **Three** solid copper coil pairs with a different number of windings (intensity) have been built into the full body applicator. The copper coil pair at the head (cable connected to the applicator box) has the lowest number of windings and thereby generates the lowest flux density. The middle pair of copper coils has an already higher number of windings and the bottom pair of coils (at the foot) has the highest number of windings with the high flux density.

The full body applicator is divided by seams. It can be folded into three parts on the seams, however should not be bent or rolled in order to protect the copper coils.

The full body applicator has been covered with certified artificial leather. The magnetic field not only works directly above the full body applicator, but also spreads itself out in all directions. The field strength amounts to less than or equal to  $45 \, \mu T$  (micro-teslas) at the highest intensity setting on the full body

applicator. The recommended threshold for harmlessness in low-frequency magnetic fields is 400  $\mu T$  in accordance with the standard that preceded DIN 0848. Horizontally, the expansion of the magnetic field from the applicators will have largely abated at a distance of about 1.5 meters.

This application can only be performed with the original full body applicator. If an applicator is not connected or the applicator is defective, an error message will appear on the Omnium1's display. In both cases, the application will not allow itself to be started.

#### 12.2 OmniPad

The smaller pillow-shaped pad (OmniPad) is suitable for smaller areas of the body. It has been covered with certified artificial leather. The material is easy to maintain, can be cleaned and can be rinsed with mild disinfecting agents.

**One** pair of solid copper coils has been built into the OmniPad. It can be folded in the middle and has an extensible attachment belt.

Please note that the pillow applicator should not be completely covered by a blanket or plastic film. Circulation of air must be ensured as a protective measure against the formation of moisture.

The magnetic field not only works directly above the pillow applicator, but also spreads itself out in all directions. The flux density of the pillow applicator is less than or equal to 70  $\mu T$  at its highest intensity. The recommended threshold for harmlessness in low-frequency electromagnetic fields is 400  $\mu T$  in accordance with the standard that preceded DIN 0848. Horizontally, the expansion of the magnetic field from the applicators will have largely abated at a distance of about 1.5 meters.

This application can only be performed with the original pillow applicator. If an applicator is not connected or the applicator is defective, an error message will appear on the Omnium1's display. In both cases, the application will not allow itself to be started

## 12.3 OmniSpot (Not included with the iMRS one basic set)

The small applicator, OmniSpot, can be used to stimulate pinpointed areas and contains of a strap-on belt with Velcro for proper fixation and easy using. It has been covered with certified artificial leather. The material is easy to maintain, can be cleaned and can be rinsed with mild disinfecting agents.

**Two** solid copper coils have been built into the OmniSpot.

The magnetic field not only works directly above the OmniSpot applicator, but also spreads itself out in all directions. The flux density of the pillow applicator is less than or equal to 120  $\mu T$  at its highest intensity. The recommended threshold for harmlessness in low-frequency electromagnetic fields is 400  $\mu T$  in accordance with the standard that preceded DIN 0848. Horizontally, the expansion of the magnetic field from the applicators will have largely abated at a distance of about 1.5 meters.

The placement of the coils across from each other will generate a so-called Helmholtz effect (meaning a homogenous magnetic field). It has a flexible attachment belt for simple and effective application.

## 13. Cleaning and Maintenance

#### Omnium1 Control Unit:

Please use a dry micro-fiber cloth to clean fingerprints and skin oil from the touchscreen. You can remove most remnants with a circular motion. For rough dirt, lightly moisten the cloth and clean the affected area with that.

Note: Be very careful that water does not enter the housing, because that could lead to an irreparable defect in the control device.

#### **Applicators:**

The applicators should be cleaned at periodic intervals in order to maintain their visual appearance and avoid the collection of dirt and contaminants. More frequent cleaning may be necessary depending on the frequency of use and demand. Spots, dirt and any substances that attach themselves to the material should be immediately removed in order to avoid permanent staining. Use a mild soap in water solution or products recommended for cleaning vinyl materials and artificial leather and the removal spots from the surface. Ultimately, use a moist white cloth for cleaning. Enamel, aggressive or chemical cleaning or washing agents, liquids containing xylenes, acetone or methyl-ethyl ketones (MEKs) will cause immediate damage and contribute to material exhaustion. The use of such agents will be at the user's own risk.

# 14. Maintenance & Error Messages

The iMRS one system has been designed to be maintenance free.

#### **Potential Error Messages:**

| Error Message                     | Explanation  |
|-----------------------------------|--|
| DA Converter not working properly | The D/A converter is defective.  |
| Low battery for DA convertor      | The battery is below the 5% charge state.  |
| Error Coil Open Loop              | There is a defect or broken wire in the applicator.                                      |
| Error No Applicator Connected     | An applicator has not been connected, or not been connected properly.                    |
| Error No DA Converter Connected   | The D/A converter has not been connected, or not been connected properly.                |
| Goggle does not connect           | The OMNIBRAIN system has not been connected, or not been connected properly (optional!). |

Repairs and service should only be performed by the manufacturer or the respective local offices of Swiss Bionic Solutions (you will find the addresses at: www.swissbionic.com) or from your supporting Certified LifeStyle Consultant.

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## 15. Identification & Technical Data

### 15.1 Identification

Specification Plate for the iMRS one (D/A converter):



#### **CE-Identification:**





Note: follow the instructions in the operating manual



Applied part, Type B



Legacy Electrical Device Act

The conformity according to EC directives has been explained for the equipment described in this Operator's Guide.

## 15.2. Technical Data for the iMRS one D/A Converter

| Nr.  | Designation            | on Values, unit, type and model |  |
|------|------------------------|---------------------------------|--|
| Cont | Control Unit           |                                 |  |
| 1    | Device type            | Magnetic-Resonance-Stimulation  |  |
| 2    | Type designation       | iMRS one                        |  |
| 3    | Nominal voltage        | 18 V                            |  |
| 4    | Hardware Version       | MT8163_R8_V1.0                  |  |
| 5    | Software Version       | mt8163_R8_20181206              |  |
| 6    | Nominal current        | 1,2 A                           |  |
| 7    | Max. voltage           | 20 V                            |  |
| 8    | Avg. power consumption | 21,6 W                          |  |

| 9                         | HF frequency   | None   |  |  |
|---------------------------|--|--|--|--|
| 10                        | Mode of use  | Continuous operation   |  |  |
| 11                        | Construction   | Portable device  |  |  |
| 12                        | Protection class   | II   |  |  |
| 13                        | Application part   | Type B   |  |  |
| 14                        | Type of moisture protection                                      | Covered device   |  |  |
| 15                        | Fuse between the primary and secondary power supplies            | Omnium1 Type BI20-180100-I power supply  |  |  |
| 16                        | Initial voltage at the applicator box                            | Max. 20 V direct current   |  |  |
| 17                        | Boxes for connection with the Omni-<br>Mat, OmniPad and OmniSpot | M12, 5-pin   |  |  |
| 18                        | Case   | V0   |  |  |
| 19                        | Magnetic field strength at the highest intensity level (400%)    | < 120 μT   |  |  |
| 20                        | Duration of use, selectable (using automatic deactivation)       | 1-60 minutes   |  |  |
| 21                        | Weight   | 616 g  |  |  |
| 22                        | External dimensions  | 167 mm x 60 mm x 27 mm   |  |  |
| 23                        | Temperature (in use)   | +10°C bis +40°C  |  |  |
| 24                        | Temperature (stored)   | -20°C bis +45°C  |  |  |
| 25                        | Air humidity (in use)  | 30% - 75% RH (without condensation)  |  |  |
| 26                        | Air humidity (stored)  | 10% - 95% RH (without condensation)  |  |  |
| 27                        | Air pressure (in use)  | 700 - 1060 hPa   |  |  |
| 28                        | Air pressure (stored)  | 700 - 1060 hPa   |  |  |
| 29                        | Operation Frequency  | 2412MHz-2472MHz (for Europe)   |  |  |
| 30                        | Max. RF Output Power   | 15.98dBm (for Europe)  |  |  |
| Omni                      | um1 Power Supply   |  |  |  |
| 1                         | Туре   | BI22-180120-I  |  |  |
| 2                         | Power supply   | 100 V - 240 V~ / 50 Hz - 60 Hz / 800 mA  |  |  |
| 3                         | Output   | DC 18V === 1,2A  |  |  |
| 4                         | Cable length   | 1,55 m   |  |  |
| Omni                      | OmniMat Full Body Applicator                                     |  |  |  |
| 1                         | Coils  | 3 pairs of solid, uninsulated coils, copper                                    |  |  |
| 2                         | Covering   | Artificial leather, disinfectable, foldable into 3 layers, do not roll or bend |  |  |
| 3                         | Dimensions   | 170 x 58 x 2 cm  |  |  |
| 4                         | Cable length   | 2 m  |  |  |
| OmniPad Pillow Applicator |  |  |  |  |
| 1                         | Coils  | 1 pair of solid coils, copper  |  |  |

| 2    | Covering            | Artificial leather, disinfectble, do not roll or bend |  |
|------|---------------------|---|--|
| 3    | Dimensions          | 57 x 29 x 3 cm  |  |
| 4    | Cable length        | 2 m   |  |
| Omni | OmniSpot Applicator |   |  |
| 1    | Coils               | 2 solid copper coils                                  |  |
| 2    | Covering            | Artificial leather, disinfectble, do not roll or bend |  |
| 3    | Dimensions          | 39 x 16 x 2,5 cm                                      |  |
| 4    | Cable length        | 2 m   |  |

| Intensity | Measures values in μT OmniMat<br>whole body applicator |         |          | Measures values<br>in µT OmniPad<br>pillow applicator | Measures values<br>in µT OmniSpot<br>applicator |
|-----------|--|---------|----------|---|---|
|           | Foot   | Abdomen | Shoulder |   |   |
| Sensitive | 0,27   | 0,22    | 0,09     | 0,35  | 0,65  |
| 10        | 1,35   | 1,22    | 0,54     | 1,70  | 3,14  |
| 25        | 4,00   | 3,60    | 1,60     | 5,00  | 9,23  |
| 50        | 8,00   | 7,20    | 3,20     | 10,00   | 18,46   |
| 100       | 16,00  | 14,40   | 6,40     | 20,00   | 36,92   |
| 150       | 24,00  | 21,60   | 9,60     | 30,00   | 46,15   |
| 200       | 32,00  | 28,80   | 12,80    | 40,00   | 55,38   |
| 400       | 45,00  | 30,00   | 17,50    | 65,00   | 120,00  |

# 16. Warranty

The iMRS one magnetic resonance stimulation system is the result of innovative research and development work. Swiss Bionic Solutions provides the warranty on the applicators and the D/A converter for a period of 36 months from the date of purchase.

The warranty can only be maintained by the use of the system and the accessories as intended. For this reason, read the instruction in this operating manual precisely. Warranty claims resulting from errors, damage or consequential damage that result from non-compliance with the operating manual and the safety instruction shall not exist. The warranty shall only apply for the use with original iMRS one accessories. Save the purchase receipt for the system in order to demand warranty claims.

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Hereby, Swiss Bionic Solutions Schweiz GmbH declares that the radio equipment type Omnium1 / IMRSone (IMRS-70220) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of confirmity is availabele at the following internet address: https://www.omnium1.com/en/doc.html