

RF Touch

DRAFT



USER MANUAL

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INFORMATION ON THIS MANUAL

This manual is addressed to:

- user of the machine;
- owner;
- responsible;
- people in charge of moving;
- installers;
- users;
- people in charge of maintenance.

This document provides valuable information regarding the installation, set up and use of RF TOUCH aesthetic equipment for radiofrequency mono and bipolar treatments.

It is a useful and essential reference guide for the user: read the contents of the manual carefully before installing the equipment and keep it on hand at all times for future reference.

It is of vital importance that you strictly adhere to the recommendations contained within the manual in order to avoid malfunction, which may cause damage to the equipment and consequent annulment of the validity of the warranty.

Furthermore, in order to obtain the highly efficient technical service available from the manufacturer, it is essential that any handling of the equipment be in accordance with the instructions provided.

The limits of this manual are:

- the user manual cannot replace proper experience;
- the user manual, for particularly difficult operations, can only be a reminder of the main operations.

The manual is to be considered part of the equipment and must be preserved for future reference until the decommissioning of equipment. The operating instructions must be available for consultation in the vicinity of the machine and properly stored.

This manual reflects the state of the art at the time of sale and cannot be considered inadequate because later updated based on new information. The manufacturer has the right to update products and manuals without necessarily updating preceding products or manuals.

The company will not assume any responsibility for any major cases:

- improper use of the machine;
- use against to specific national regulations;
- incorrect installation;
- defects in power;
- serious shortcomings in maintenance;
- changes and unauthorized interventions;
- use of parts or materials not specific to the model;
- total or partial non-observance of the instructions;
- exceptional events.

If you would like any further information, please check sales or get directly in touch with the company MATTIOLI ENGINEERING S.P.A, to stay up to date on the best ways to use these machines and to receive the necessary assistance.

WRITING CONVENTIONS

Certain sections of the manual have been underlined in order to highlight their importance.

NOTE

These contain important information and useful tips for operating the equipment.

CAUTIONS

The CAUTION message appears before operations, which, if not correctly performed, may cause damage to the machine and/or its accessories.

! WARNING !

This signals operations or situations, which, if unknown to the operator, or incorrectly carried out, may harm the operator.

WARRANTY

MATTIOLI ENGINEERING S.P.A. guarantees the quality of its products for a period of 24 months from the date of purchase, when information contained in this manual regarding installation, use and maintenance is strictly adhered to and the warranty coupon is returned within 15 days of purchase.

The guarantee covers the replacement of faulty parts.

The warranty does not however, include the replacement of the equipment.

The warranty does not cover any malfunction or damage caused by:

- incorrect connection and installation;
- incorrect use due to non-compliance with instructions contained in this manual;
- improper or inadequate maintenance;
- use of the machine in environmental conditions which do not conform with those specified for the product;
- unauthorized opening of the outer casing;
- tampering or unauthorized modifications;
- use of non-original accessories.

MATTIOLI ENGINEERING S.P.A registered offices provide the warranty.

Should you need to return the goods then please note the packing instructions as follows. Enclose a copy of the purchasing receipt.

You should insure the postal package.

Before sending the machine back for suspected malfunction, we recommend that first you carefully consult sections regarding MAINTENANCE and TROUBLESHOOTING of the manual, as a large part of the problems and faults are usually due to inadequate maintenance or small technical problems which can often be easily solved by the user himself.

A simple call to MATTIOLI ENGINEERING S.P.A technical department may prove to be the solution to the problem.

When re-packing the equipment for return to the manufacturer, proceed as follows:

1. unplug the machine and any connections, devices, applicators etc.;
2. carefully clean and disinfect all parts of the machine and accessories which have been in contact with clients.

Any equipment which the technical department does not consider hygienic (Italian law T.U.S. 81/2008 on safety in the workplace) will not be accepted;

3. disassemble accessories and any mechanical supports;
4. use original box and packing materials;
5. enclose detailed information regarding the nature of the problem in order to facilitate the technical department's intervention and save time on repair.

NOTES

PRELIMINARY NOTES

- The installation of the device does not require any special care, is therefore simple and immediate.

USE

- The selection of the SMART-CARD is possible only if previously inserted into the slot.
- To prevent erasure or formatting of SMART CARD, confirmation is required.

MAINTENANCE

- For an optimal use of the device and to guarantee its maximum performance, it is recommended to perform maintenance at the correct time and suggested ways.

CAUTIONS

PRELIMINARY NOTES

- The customer is liable for all damage caused by inadequate packaging of the material. Keep the original packaging of the unit: it will be needed if the unit is returned to the company.
- o not use the equipment in places where it might get wet.
- Before operating the machine carefully check the correctness of the connections according to the instructions.
- o not use accessories other than the ones provided: they might damage the unit, causing the warranty to become void. In case you have any problems or difficulties with installation, contact MATTIOLI ENGINEERING S.P.A. technical support.
- f using the same extension for the unit and other units, make sure that the total current being absorbed by the connected units, does not exceed the max current allowed for that type of cable and that, however, it does not exceed 15 A.

- The protocols are stored in the permanent memory of the machine. These protocols can be edited but not possible to save any changes.
- The protocols preloaded on the machine cannot be deleted.
- It is not possible to define a number of sessions suggested to evaluate the effectiveness of the treatment, since they are related to the power delivered to the client undergoing treatment. It is a task of the physician to decide the number of treatment sessions which subject the client according to the specific requirements of the case, in order to ensure to the client himself the execution of an effective treatment in time and place in conditions of absolute safety.
- Always control sometimes the integrity of the cable and of the probe/applicator connector: they must not be damaged or worn.

USE

- The Smart Card has to be introduced keeping the golden chip facing up.
- A new **Smart- Card** has to be initialized using **FORMATTING** before being used.
- In case of selection of this type of memory if the card is introduced in wrong way or is not formatted or results not correct, a warning window will appear with the information about the error. Close the window clicking OK to continue.
- SMART-CARD option is visible (and therefore selectable) only if the smart-card is properly inserted in its slot. In case of lacked insertion of the Smart-card in its slot or Improper insertion, the option button SMART CARD is not visible, for which a possible selection does not involve any action.
- The selection of programs to be loaded takes place by default in the user memory, that in cases of non-presence of the Smart-card (due to its lack or to an improper insertion in its slot) is the only support of available memory to load customized programs
- Before switching the device on, make sure that.
- On request we can provide the user manual in electronic form.
- Because of security reasons, the only specific software must be loaded into each machine. In case of exchange of software, the machine may immediately stop all its functions, requiring the intervention of MATTIOLI ENGINEERING S.P.A. technical assistance.
- RF TOUCH is A class emission. This aesthetic device could cause troubles to other electronic devices around.

MAINTENANCE

- Use the probes/applicators with care: any misuse may affect their performance and features.
- Under no circumstances technicians not authorized are allowed to open and/or disassemble the probe/applicator: such tampering, besides damaging its characteristics, immediately invalidate the right to warranty.
- The equipment should never be disassembled for cleaning or inspection purposes: the units does not have to be cleaned internally, and if for some reason the unit must be opened, it should only be done by specialized technicians authorized by MATTIOLI ENGINEERING S.P.A.

- Do not use thinners, detergents, acid solutions, aggressive solutions or flammable liquids to clean the external parts of the unit and accessories. Using these substances, or misusing the accessories, will cause the immediate voiding of all warranty rights, as well as irreparably damaging the unit and the accessories.
- For optimal use of the apparatus and to ensure its optimum performances it is recommended to perform properly within the time and in the manner recommended maintenance actions.
- For a correct replacement of the installed fuses, observe the following indications:
 1. open the fuse box using a screwdriver, making sure you insert the screwdriver in the slot on the fuse box and levering up outwards
 2. remove the fuse holder making it slide along the track
 3. remove the installed fuses and replace them with new ones
 4. replace the fuse holder into the fuse box, making it slide along the track
 5. close the fuse box plastic door
- It is recommended to perform periodic maintenance every year, in order to check:
 - o the intensity of any leakage currents;
 - o the continuity and thus the integrity, of the ground conductor;
 - o the correctness of the value of insulation resistance
 in order to ensure the electrical safety of the device, ensure that it is operating in a safe guaranteed. For this kind of intervention you should contact a qualified service technician or alternatively MATTIOLI ENGINEERING S.P.A. or one of its authorized service centers.

WORKING PROBLEMS

- Only technicians authorized by the manufacturer may access the interior of the unit.
- You should contact MATTIOLI ENGINEERING S.P.A. or its authorized service centers for any repair work or further information.

! WARNING !

PRELIMINARY

- The correct position while moving the machine: the apparatus has to be moved exclusively by gripping it with both hands on the curved profiles of the lid.
- The perfect functionality of the device is guaranteed in accordance with the rules of installation and of use included, only with original accessories and spare parts.
- If there are problems or installation difficulties, please contact the MATTIOLI ENGINEERING S.P.A. technical assistance department.
- Before connecting the cable to the mains plug, check that the equipment wasn't damaged during transport. Ensure that the power supply specifications on the mains socket correspond with the information on the label attached to the back of the unit.
- DO NOT INSTALL the RF TOUCH unit near heat sources, nor in direct sunlight.
- Do not use mobile phones near radio frequency devices when they are in use, as they may cause electromagnetic interferences.

- The electric current that powers the unit is VERY DANGEROUS. Before connecting or disconnecting the power cable from the connector on the Power Supply, make sure it is plugged out from the mains socket.
- The power cable has an earthed plug for safety reasons.
- Only use with a mains socket suitable for use with earthed systems.
- **The equipment should only be connected to electrical systems that fully comply with standards.**
- If using extension cords verify the presence and the integrity of the protective conductor to earth.
- Connect the Power Supply directly to the wall socket without using extensions. Failure to comply with these warnings may result in dangerous electrical discharges that could cause injury operators and compromise the functioning of the unit.
- For the safety of the **client and the operator**, the following obligations must be respected:
 - Avoid using extensions
 - Avoid using double or triple plugs
 - Position the unit away from sources of heat
 - Position the power cables so as to avoid they are crushed or stepped on
 - Do not keep liquid containers near the unit.

USE

- Radiofrequency treatments must be delivered under full control of the operator to “conscious” clients, who can interact with the operator during the emission of the electrical stimulations provided by the equipment.
- **The operator is responsible** to verify that the emitting electrode adheres completely to the treatment area, in order to avoid collateral emission to other areas
- **In order to ensure the functioning of the machine in conditions of absolute safety for the client, the operator must pay attention to the necessity of a periodic maintenance (every 2 years) of the equipment. MATTIOLI ENGINEERING S.P.A. authorized personnel should carry out such operations.**
- It is absolutely forbidden the use of the device in the presence of a flammable anesthetic mixture and oxygen-rich environments. In case of non-compliance with this indication, MATTIOLI ENGINEERING S.P.A. will not be responsible for any accidents.
- It is absolutely forbidden to cover the ventilation slots of RF TOUCH: such an action may not allow the machine to work in safe conditions. In case of non-compliance with this indication, MATTIOLI ENGINEERING S.P.A. will not be responsible for any accidents.
- Before starting the treatment delivery, the operator shall check that the client has removed from their body any metal objects, in order to avoid any dangerous phenomena of radiofrequency coupling.
- It's important to pay the attention of the operator to the necessity to verify the correctness of the electric installation of device before activating the supply switch..
- To turn the device in properly on, observe the following indications:
 1. Place the Generator and the Power Supply on horizontal and stable surface;
 2. Connect the Power Supply to the Generator through the connection multipolar cable;
 3. Plug the power supply cable into the connector on the back of Power Supply;
 4. Connect the power supply cable to the wall socket;
 5. Turn on the general switch ON / OFF on the back of Power Supply;
 6. Turn on the general switch ON / OFF on the back of Generator.
- It is important that the operator verifies that the surface of the inserts/ electrodes is intact before switching on mains switch and starting the session.
- It is advisable to suspend the treatment if it were to appear some disturbances during its emission.
- Before every treatment, it is recommended to clean with caution all of the accessories and the parts of the equipment that have been to contact with the client, particularly the electrodes.
- It's strongly advised not to hold the device on in state of start without using the probe, it could overheat.

MAINTENANCE

- For safety reasons before carrying out any maintenance or cleaning the unit, YOU MUST turn off the equipment with the power switch at the back and unplug the socket connected to the mains.
- It is recommended to clean with caution all of the accessories and the parts of the equipment that have been in contact with the client.
- It is important that the operator periodically carries out maintenance of the applicators, especially:
 - checking the electrode surface to verify that there are no cracks, where from conductive liquid may enter;
 - checking that the cable and the connector of the applicator are intact.
- The cleaning and disinfection must be done systematically before the treatment which subject the client.
- Do not spray, nor pour liquids on the external container of the device, on ventilation slots of device, on the LCD touch-screen display. If that happens, inspect the device. MATTIOLI ENGINEERING S.P.A. shall not be responsible for any damages arising from the use of the equipment non in compliance with the above conditions.
- Always control sometimes the integrity of the cable, of the connection multipolar cable and of the probe/applicator connector: they must not be damaged or worn.
- It is advised that personnel with technical preparation substitute the fuses, to perform the operation in safety conditions.
- Do not open the device: inside there are high voltages that may be hazardous.
- Only personnel authorized by the manufacturer may access the internal components. For repairs and further information please contact MATTIOLI ENGINEERING S.P.A. or its authorized service centers.

WORKING PROBLEMS

- Do NOT OPEN the unit, as HIGH VOLTAGE ELECTRICITY is present and may prove VERY DANGEROUS.

INTRODUCTION OF THE TECHNOLOGY**Radiofrequency: what is it?**

Radiofrequency treatment is one of the new frontiers in aesthetic. They are successfully applied as a non-invasive method for skin rejuvenation and achieve results that are very close to those obtained by surgical facelifts.

This powerful technique is also widely applied in the treatment of cellulite, loose tissues and localized adiposity.

Radio Frequency treatments are based on emissions of high-frequency radio waves and exploit the high-power thermal energy produced by the tissues when they are exposed to radio waves.

RF TOUCH is a equipment for radio frequency treatments to rejuvenate face and body, and is one of the new aesthetic frontiers.

RF TOUCH has been introduced as a non-invasive skin rejuvenation technique, which produces a result similar to surgical lifting.

This powerful tool has a large application in the treatment of cellulite, relaxation of the tissues and localized fat.

The waves penetrate deeply into the skin, releasing heat to the surrounding tissue.

This allows to "heat up" the collagen, with an effect of contraction, which is reflected in the skin **relaxation, increasing the tone with a lifting effect.**

The degree of the thermal effect depends on the conductivity characteristics of the treated tissue. For this reason, the tissues with increased impedance, such as the adipose one, generate more heat, resulting in a greater thermal effect.

The principle on which the radio frequency is based is therefore the increase in temperature that occurs in the treated areas, transporting energy to the deep dermis and subcutaneous layers.

This will improve cellular function and blood circulation, stimulate lipolysis of subcutaneous fat and increase collagen synthesis.

Where it acts and effects

Radio Frequency treatments act on the tissues and produce the following results:

- Three-dimensional contraction of collagen fibres, with a 360° volume effect
- Drawing of liquids up to the surface
- Improvements in the micro-circulation system
- Removal of toxins
- Synthesis of new collagen
- Tightening of tissues
- Smoothing of tissues, lifting effect
- Restructuring of the skin
- Increased skin density in the short term
- Oxygenation of tissues

General applications modalities in aesthetic

The treatment can be performed on all skin phototypes and even during the summer because sun exposure is not contraindicated.

The duration of the treatment varies depending on the location to be treated. It lasts about an hour, but a certain time should be calculated to prepare the skin before the procedure.

After the treatment the client can immediately go back to his normal life activities.

A mild erythema and swelling may occur disappearing within a few hours.

The first effects are immediate and progressive in the following weeks.

It is possible to use the **radiofrequency** at **any age**.

Obviously, the more elastic the skin is the greater the effect will be. Therefore the elderly will have less evident effects.

The **results** appear gradually over several **months, even with a single session**, which may possibly be repeated after a varying time.

It is possible to treat all those areas of the body that can present a skin laxity, and then:

- The **hands**, to reduce the laxity of the skin.
- The **face**, to correct superficial and deep wrinkles around the eyes and on the forehead, the bags on the eyelids, or the laxity of the upper eyelids, the wrinkle near the nose (i.e., the accentuation of wrinkles between the nose and mouth), the laxity of the cheek and the area over the jaw with the effect of "remodelling" the shape of the lips, the laxity of the neck (double chin).
- The **arms**, to correct the laxity of the lower part.
- **Acne**, during its active phase or in presence of scars.
- The **abdomen**, to correct the laxity and wrinkles and stretch marks due to pregnancy, weight loss, age.

Immediate benefits

The cellular function and the blood circulation are therefore improved, the lipolysis in fat-skin is stimulated and an increase in the collagen synthesis (the total volume of collagen fibers) is registered.

Consequently, an important tissular turgor, and a significant oxygenation of the tissues are registered thanks to the elimination of toxins.

The smoothness of the tissues is immediate.

The results will show gradually over several months even with a single session, which may be repeated after a variable time.

To be combined with

The treatment with RF TOUCH has an excellent synergy with the equipment LIFT SKIN, the electro-porator which allows the transmission of the trans-dermal active ingredients to treat any type of imperfection on the face and body of men and women.

The electro-poration should start 3 days after treating the client with radio-frequency.

TREATMENT PROCEDURE**PREPARING THE CLIENT**

The treatment room must have a comfortable temperature in order to avoid shivers or muscular tremors.

The client must be in as comfortable position as possible; it is recommended, like in other cases of physical treatment, to explain to the client, prior to treatment, which sensation is to be expected.

Also ensure that you **are aware and able to follow all indications relating to safety**.

PRELIMINARY TREATMENT PROTOCOL

Before every face and body treatment, the use of a laser unit is recommended, for 15 minutes.

This treatment allows to create a vasodilatation which favors the microcirculation, the collagen synthesis, and notably improves the oxygenation of tissues.

It is recommended to subsequently apply an ultrasound unit with gel for 10 minutes, using the face applicator or body plates which, thanks to the mechanical, thermal and chemical effects, prepares the tissue causing the permeability and temperature increase of the cellular membrane, as well as the acceleration of the tissues particles.

This pre-treatment system allows the subsequently applied radio frequency, to act deeply, completely and in a long lasting manner.

Note: IT IS RECOMMENDED TO HAVE THE CLIENT SIGN THE FOLLOWING DECLARATION BEFORE STARTING THE RF TOUCH TREATMENT CYCLE (Appendix E).

IN GENERAL

MATTIOLI ENGINEERING S.P.A. has recently developed a complete series of apparatus, accessories and equipment, designed and manufactured according to the highest standards of quality, making use of the latest technology and fully adhering to current directives and norms.

Particular attention has been paid to the design, easy operation, function and safety of the equipment and the final result is this modern, compact unit, which offers an extremely logical operative sequence supported by a clearly legible display .

A wide range of aesthetic applications, and guaranteed client and operator safety ensure that equipment is of the highest quality.

The equipment were planned and built in manner that their use, if it happens at the conditions indicated, doesn't compromise the health and safety of the clients, of the users and of third, taking into consideration the benefit to the client.

The use of this device is reserved to the aesthetic operators that, by their training, provide assurance of proper use and safety for the client.

The aesthetic operator, in fact, should be qualified to be able to use such equipment, and he should have passed an adequate training, or should operate under the control of a adequately qualified professional figure to the use of the equipment, in order to guarantee safety conditions to the person who undergoes the treatment.

A special intervention is not required in the event of failure of the device, but just a normal maintenance/repair.

INTENDED USE

RF TOUCH is an aesthetic device that delivers treatments of radiofrequency, with the aid of a probe that allows the delivery of the treatment.

The use of RF TOUCH is reserved for aesthetic operators who, by virtue of their professional training, offer the guarantee of the appropriate use and in total safety for the client.

The aesthetic operator, in fact, should be qualified to be able to use such equipment, and he should have passed an adapted training, or should operate under the control of an operator adequately qualified to the use of the equipment, in order to guarantee safety conditions to the client.

INDICATIONS

The apparatus for radio-frequency treatments for aesthetic use RF TOUCH is applied on the following defects:

- Body tissue relaxation
- Cellulite
- Fat
- Stretch marks
- Atone of breast muscles
- Aging of face and neck tissues
- Wrinkles
- Scars
- Tissue gaps
- Asphyxial skin
- Acne

CONTRA-INDICATIONS

- Autoimmune diseases affecting collagen tissues, ex. lupus
- Serious uncompensated diabetes
- Pregnancy
- Holders of pacemakers
- Sclerodermas
- Moles
- Mycete
- Treatment on central area of breasts

PRELIMINARY NOTES

DEVICE COMPONENTS

The aesthetic equipment for radiofrequency RF TOUCH is composed of:

- GENERATOR;
- POWER SUPPLY + CONNECTION MULTIPOLAR CABLE, identified with RFPS1 for 230Vac and with RFPS2 for 115Vac.

IMPORTANT: The serial number is unique. The serial number written in the power supply must be equivalent to serial number written in the generator.

UNPACKING

The aesthetic equipment for radiofrequency RF TOUCH is specially packaged for transport in a single pack complete with filling which has been specifically studied for safe transportation and storage.

To remove the equipment from the pack, place the box on a smooth, flat surface. Open the top of the box and remove the polystyrene filling. Be very careful when removing the contents of the pack.

The unit and accessories are wrapped in transparent sheets of polyethylene protection and contains the following:

- n.1 user manual;

- n.1 mains power supply cable;
- n.2 spare fuses (see technical specifications);
- n.1 unipolar (capacitive) probe, equipped with electrodes of various diameters (see paragraph “accessories”);
- n.1 bipolar probe, equipped with electrodes of various diameters (see paragraph “accessories”);
- n.1 return plate for unipolar RF;
- n.1 bottle of conductive cream 1000ml;
- n.1 pen for touch-screen display;
- n.1 Smart-Card.

Check the package contents. If some element is missing, immediately contact MATTIOLI ENGINEERING S.P.A. authorized dealer.

SETTING UP

Installation of the radiofrequency aesthetic equipment RF TOUCH is fast and simple.

You must place the device on horizontal and stable surface.

The following environmental conditions are ideal when installing the equipment:

- room temperature: from +10° to +40°C;
- humidity level: from 10% to 80% without condensation;
- avoid direct exposure to sunlight, chemical products and vibrations.

ACCESSORIES

The device can be used with the following accessories:

Accessories	Supplied	Optional
Power cable plug shuko	1	
Pair Spare Fuses	1	
User manual in DVD	1	
Bipolar Probe + kit inserts/electrodes diameters 25-45-70 mm	1	
Unipolar Probe + kit inserts/electrodes diameters 30-40-50-60-70-80 mm	1	

Accessories	Supplied	Optional
Return plate for unipolar RF	1	
Smart-Card	1	
Stylus pen touch-screen display	1	
Bottle of conductive cream 1000ml	1	
Inserts/electrodes diameters 30mm		X
Inserts/electrodes diameters 40mm		X
Inserts/electrodes diameters 50mm		X
Inserts/electrodes diameters 60mm		X
Inserts/electrodes diameters 70mm		X
Inserts/electrodes diameters 80cm		X

The connection of the applicator is simple: you need to connect the end plug of the cable to the connector on the back of generator, making sure that the connector pins are inserted correctly, then screw the ferrule to block the connector.

Contact authorised dealers MATTIOLI ENGINEERING S.P.A. for problems or difficulty installation.

CONNECTIONS

The power entry module can be found on the back of power supply and consists of a three-pole socket for the cable set, an extractible fuse box with two fuses (see technical specifications) and the main switch ON / OFF of power supply.

Plug the power supply cable three-pin plug into the integrated board and ensure that it is correctly plugged into the connector.

When using an extension lead, make sure that it has been earthed.

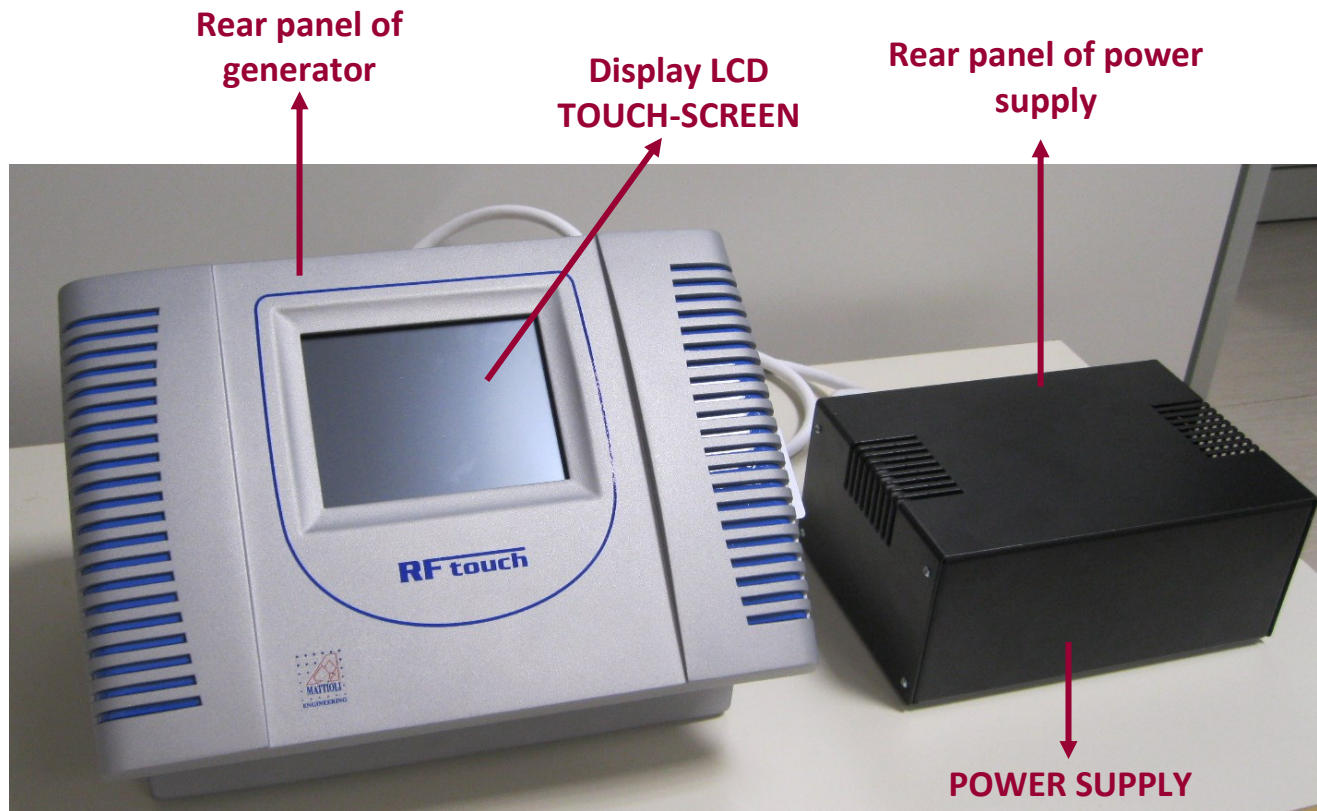
Failure to comply with the above instructions may lead to dangerous electrical discharge causing machine damage and harm to persons.

The general switch ON/OFF of generator can be found on the rear panel of generator.

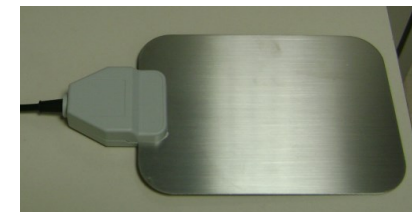
Once you have checked that installation and assembly have been carried out, switch on the general switch ON / OFF of power supply and then the general switch ON / OFF of the generator making sure that the display screen is turned on correctly.

The Power Supply and the Generator are connected through a connection multipolar cable: you need to connect the end plug of the connection multipolar cable into the connector on the rear panel of Generator, a sure that the connector pins are inserted correctly; then screw the ferrule to block the connector.

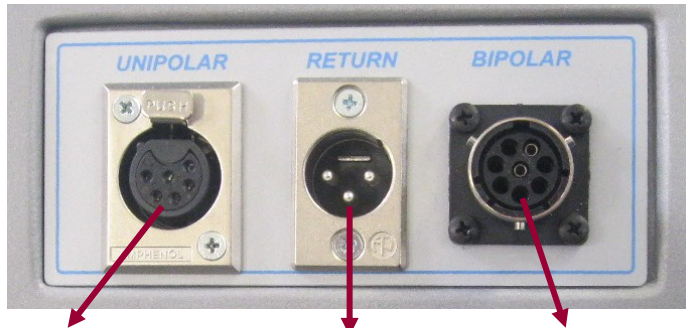
DESCRIPTION OF THE EQUIPMENT



PROBES



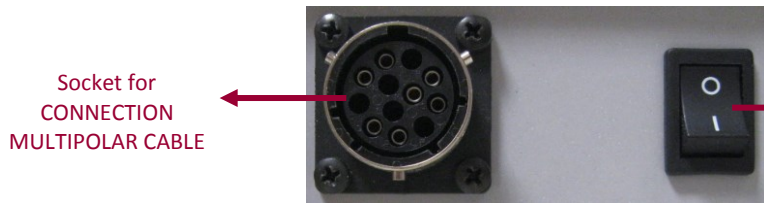
REAR PANEL OF GENERATOR



Output connector for
UNIPOLAR PROBE
(CAPACITIVE)

Plate connector

Output connector for
BIPOLAR PROBE



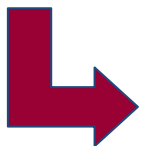
Socket for
CONNECTION
MULTIPOLAR CABLE

General
switch
ON/OFF of
generator

RIGHT LATERAL PANEL

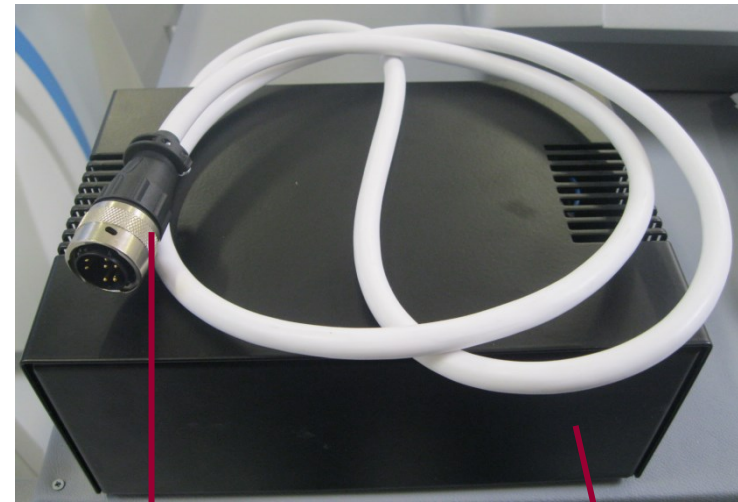


Slot for SMART-CARD
insertion



SMART-CARD

POWER SUPPLY



**CONNECTION MULTIPOLAR
CABLE**

Power Supply

REAR PANEL OF POWER SUPPLY



Fuses box

Power cable supply

Ground
terminal

General switch
ON/OFF

**CONNECTION
MULTIPOLAR CABLE**
on Power Supply

HOW TO USE THE DEVICE

This section provides important indications about the correct utilization of the aesthetic equipment for radiofrequency unipolar and bipolar treatments RF TOUCH.

All the control functions and the machine itself are handled and co-ordinated by a microprocessor: apart from making pre-memorised programmes available for application, the microprocessor ensures that the machine can be personalised and operated in a highly safe and efficient manner.

Interfacing allows for the operator to communicate with the unit by means of a large, clear graphic backlit liquid crystal display screen (LCD) through which all operational messages required by the operator, work status during operation, and errors are visualised.

The following paragraphs illustrate the operations that have to be carried out by the operator to better exploit the capacities and the technical peculiarities of the equipment RF TOUCH .

We discuss the different options, the selection of a pre-stored for the setting of a specific treatment, until the determination of the correct working parameters for an application "custom".

FUNCTIONING

RF TOUCH exploits the transfer of heat generated by the device, that penetrates deeply into the skin tissues reaching the derma and the adipose tissues.

The increase of the tissue temperature stimulates the fibroblast to produce new collagen and new elastin.

This process improves the signs of aging and makes skin more relaxed and elastic, giving it a natural lifting effect.

The heat produced into the skin tissue increases the local microcirculation, improving the drainage of exceeding liquids, reducing the adipose tissue, resulting an effective treatment for body remodeling and cellulite.

RF TOUCH operates in two modes:

Unipolar Capacitive: due to its depth of action and high power allows a homogeneous warming of deep tissues of derma and adipose tissue.

Is suited to treat the body that, tank to the deep stress, responds quickly to treatments.

It requires the cooperation of the client: those undergoing treatment must keep the cylindrical mass in hand or must keep in contact the return plate with a part of the body.

Bipolar: produces a heating of tissues that is concentrated in the area under the two poles of the electrode, and can spread the heat to the hypodermis.

Acts on the surface level and is more used for the treatment on the face, neck and décolleté.

Does not require the cooperation of the client: does not use a cylindrical mass or a return plate because the two poles are both on the electrode.

HOW DOES IT WORK

RF TOUCH consists of a generator conveying an alternate current and an application circuit composed of two electrodes.

These electrodes are applied on the client's body that becomes a part of the electric circuit.

The electrodes can be:

- **unipolar (capacitive) type electrodes:** the capacitive contact transfer is made through an electrode covered in an insulating ceramised material, available in different dimensions depending on the area to be treated, mobilizing the charges (ions) in the subcutaneous tissues
- **bipolar type electrodes:** the transfer is made through a bipolar (non isolated) electrode mobilizing the charges, thus making it possible to concentrate them on a surface level.

BEST USE

After having installed and correctly positioned the machine as per the instructions described in the previous sections, to turn the device RF TOUCH in properly on, observe the following indications:

1. Connect the Power Supply to the Generator through the connection multipolar cable;
2. Plug the power supply cable into the connector on the back of Power Supply;
3. Connect the power supply cable to the wall socket (230 Vac);
4. Turn on the general switch ON / OFF on the back of Power Supply to "ON";
5. Turn on the general switch ON / OFF on the back of Generator, to "ON".

This action enables the operation of RF TOUCH, determining the ignition of the backlit LCD display that indicates the condition of the apparatus ready to operate.

The LCD display will light up showing the logo and the name of the equipment.

By pressing the SKIP button on the screen, appears the main page that allows to select the 4 available operating modes by pressing on the corresponding area on the screen.

If you want to use the Smart-Card to create new customised programs or to run those already stored, insert it in its slot.

BODY AREA TREATMENT

By pressing the button BODY AREAS it is possible to select the treatment area to load the therapy protocols available on the equipment.

The programs loaded in the inside memory of the device can be changed, but cannot be overwritten or cancelled.

It will be sufficient to choose an anatomical zone of the body shown in the screen to have available the strip of the possible pathologies for the chosen zone and to load the protocol of associated therapeutic suggestion.

The anatomical zones are:

- HEAD
- NECK
- SHOULDERS
- CHEST
- ARMS
- FOREARM
- BACK
- ABDOMEN
- LUMBAR ZONE
- GLUTEAL
- LEGS
- CALF
- SHIN

6. Select the ANATOMICAL ZONES button;
7. choose the wanted anatomical zone in the body present in the screen choosing between those previously indicated;
8. run between the treatments indicated in the strip using the lateral scroll bar;
9. select the desired TREATMENT PROTOCOL;
10. click on OPEN.

At this point is possible:

- To START the treatment, following the procedure START;
- To CHANGE the data of the treatment, proceeding like guide in MODIFY;
- To SAVE the parameters if necessary changed proceeding like guide in SAVE.

TREATMENTS

Pressing the button TREATMENTS is possible to load the desired treatment protocol.

1. select the TREATMENTS button;
2. run between the treatments indicated in the strip using the lateral scroll bar;
3. choose the required TREATMENT PROTOCOL;
4. click on OPEN.

At this point is possible:

- To START the treatment, following the procedure STARTS;
- To CHANGE the data of the treatment, proceeding like guide in MODIFY;
- To SAVE the parameters if necessary changed proceeding like guide in SAVE.

MODIFY

The following parameters can be modified:

- MODE
- POWER
- DURATION
- HANDLE

To change the MODE parameter select simply the arrow and choose the type of operation:

- CAPACITIVE
- BIPOLAR

Change the POWER field just select it and use the arrow keys, you can choose from three levels of intensity:

- LOW, percentage of power by 0-32%
- MEDIA, percentage of power by 32-66%
- ALTA, percentage of power by 66-100%

Once you start treatment, you can change the percentage of power manually using the + and -.

Change the DURATION parameter simply checking the arrows.

Change the DURATION parameter simply selecting the relative arrows.

At this point is possible:

- To START the treatment, following the procedure START;
- To SAVE the parameters if necessary changed proceeding like guide in SAVE.

START

To begin the treatment:

1. click the button START;
2. position the probe on the part to treat;
3. the TIMER will start count backwards;
4. to discontinue treatment click the PAUSE button;
5. to resume the treatment click on the button CONTINUE, otherwise to end the treatment click on STOP;
6. at the end of the countdown an information window will appear: THERAPY ENDED;
7. press OK to confirm and close the window.

The count and the issue will continue until:

- the timer expires, in which case the system will emit a long beep warning;
- you click the button PAUSE which pauses the treatment;
- you click the button STOP that ends the treatment.

Check that the electrode inserted corresponds to the selected display.

IMPORTANT: if necessary, replace the electrode only when the device is in PAUSE or STOP phase.

NOTE: to replace the electrode during treatment is absolutely necessary to put the PAUSE device or stop the treatment before, otherwise you may encounter malfunctions.

SAVE

To save the treatment protocol:

1. touch the SAVE button;
2. in the window that appears, select the type of memory where you want to save the personalized program;
3. touch the frame for inserting data and write the name of the file using the virtual keyboard;
4. to click on ENTER to confirm the name, otherwise click on BACK to get back to the previous screen.

To start the program saved, proceed how described in the section START.

CLIENT CARD

Pressing the button CLIENT CARD it is possible to OPEN or REMOVE CLIENT CARD previously saved in the memory or CREATE a new CARD.

CREATE a CARD

1. Push the button CLIENT CARD;
2. push the button NEW;
3. select the memory support on the window will appears on the screen;
4. fill in the following fields:
 - SURNAME (mandatory)
 - NAME (mandatory)
 - BIRTH DATE
 - TREATMENT VALIDITY
 - PROTOCOL
 - RESULT
 - Number of PERFERMED TREATMENTS
 - Number of PROVIDED TREATMENTS

- ANAMNESIS

5. Act on its commands to insert the data:

- to the fields from time to time you will see a virtual alphanumeric keyboard; finished click ENTER to confirm
- in the event of changes to PROTOCOL, will appear on the full list and the scroll bar, click on the item to select it or the data
- if you change any other field, use the virtual alphanumeric headboard to enter new data; finished click ENTER to confirm

6. To the question "Changes made. Save? "Click YES to save the data entered.

At this point it's possible:

- To START the treatment, clicking on GO TO TREATMENT and, then, following the procedure START;
- To CHANGE the treatment parameters, clicking on MODIFY and, then, proceeding like guide in MODIFY.

At the end of the treatment referred to the selected card, the number of TRAT. PERFORMED/SESSIONS will be automatically increased.

Once reached the number indicated on patient's card, it will appear a window that will indicate TREATMENTS COMPLETED FOR "client's name".

Close the window with CLOSE and continue choosing the required function.

OPEN a CARD

1. click the button CLIENT CARD;
2. choose the memory from which to load the card, between the USER MEMORY or SMART CARD;
3. touch the card to open and the written will be emphasized in dark blue;
 - if you want to use the key ELIMINATE consult the manual in the section MEMORIES > ELIMINATE;
4. select OPEN to open the card.

At this point is possible if necessary to change the parameters of the card before beginning the treatment.

MODIFY a CARD

1. Select MODIFY
 - it's possible modify all the data previously entered
2. click on an item to edit;
3. act on its commands to make the changes, and you are finished, click ENTER to confirm:
 - in the event of changes to PROTOCOL, will appear on the full list and the scroll bar, selecting the new item that will replace the previous
4. To the question "Changes made. Save? "Click Yes to save the data entered;
5. select GO TO TREATMENT to start treatment.

At this point it's possible:

- TO START the treatment, following the procedure STARTS;
- TO CHANGE the treatment parameters, proceeding like guide in MODIFY.

At the end of the treatment referred to the selected card, the number of TRAT. PERFORMED/SESSIONS will be automatically increased.

Once reached the number indicated on patient's card, it will appear a window that will indicate TREATMENTS COMPLETED FOR "client's name".

Close the window with OK and continue choosing the required function.

PROCEDURES

Pressing the key PROCEDURES is possible to load:

1. the USER MANUAL of the device RF TOUCH:
 - a. select relative taste
 - b. select the topic and wait
2. the GUIDE VIDEO:
 - a. select relative taste
 - b. select the title and wait

To end the session and go to the main menu click on BACK.

TOLLBAR

Down on the screen, there are a series of buttons having service functions, such as:

- HOME, which allows you to return to the home screen from any menu.
- MANUAL, which displays the default program on each of the output channels, with the ability to personalize and save it on a secondary storage media available (user memory, Smart-card).
- LOAD, which allows you to load the selected channel a program in one of the secondary storage media machine (user memory, Smart-card).
- BACK, which allows you to go back to the screen immediately prior to the selected.
- HELP, which allows you to get directions and suggestions on the operation currently selected.
- SETTINGS, which allows you to define the working conditions of the machine.

MANUAL

In this section is possible to make a MANUAL PROTOCOL.

In MANUAL PROTOCOL is possible:

- modify the data that appears by manually selecting the desired values
- create and use programs in the MANUAL emission mode

To set the values of the treatment will need to follow the instructions described in paragraph MODIFY the parameters.

At this point it's possible:

- To START the treatment, following the procedure START;
- To SAVE the customized protocol proceeding like guide in SAVE.

LOAD

It allows loading the required program choosing between

- the list of the CLIENTS CARD
- the list of personalized PROTOCOLS

CARDS

In this section is possible to load a CLIENTS CARD stored:

1. Select the type of memory (USER MEMORY or SMART CARD) from which you want to choose the card
 - selecting FORMAT you can proceed with the format memory as described in the section MEMORY> FORMAT
2. select GO TO THE LIST OF USERS
3. touch the desired card
 - selecting DELETE you can proceed to the format memory as described in the section MEMORY> DELETE
4. select OPEN to open the card.

To CHANGE the data of the card proceed as described in Section MODIFY a CARD.

At this point is possible:

- To START the treatment
- TO CHANGE the treatment parameters

To START the treatment, follow the procedure START.

To CHANGE the treatment parameters, follow the procedure MODIFY.

PROTOCOLS

In this section is possible to load a PROTOCOL choosing among those custom.

1. Select the type of memory (USER MEMORY or SMART CARD) om which you want to choose the protocol
 - selecting FORMAT you can proceed with the format memory as described in the section MEMORY> FORMAT:

2. touch the desired protocol from the list
 - selecting DELETE you can proceed to the format memory as described in the section MEMORY> DELETE
3. select OPEN to open the protocol.

At this point is possible:

- To START the treatment
- To CHANGE parameters of the treatment
- TO SAVE the treatment parameters following the procedure described in SAVE.

BACK

Pressing the BACK button it is possible to work backwards or returning to the previous operation or coming back to the main screen.

HELP

Pressing the button HELP after selecting a particular task you want to perform, you can get directions /suggestions about the selected operations.

SETTING

This section is necessary to edit and save to the internal memory the basic settings to be recalled automatically every time the machine.

Pressing the SETTING button appear the screenshot where you can select:

- SOUNDS
- MUSIC
- LANGUAGE
- DISPLAY
- DIAGNOSTICS
- MEMORY

SOUNDS

By pressing the button SOUND is possible to select the sound settings of the equipment:

1. click on the SOUND icon;
2. enable/disable the KEYBOARD CLICK ticking each box;
3. enable/disable the sound of END TREATMENT ticking each box;
4. enable/disable sounds WARNING ticking each box;
5. Once you know the audio settings, press the OK button to enable the settings.

MUSIC

Clicking on the MUSIC icon you can select the option to listen to the music in the background during treatment.

1. select a song in the list of SONGS AVAILABLE;
2. upload it to the LIST OF LISTENING using the RIGHT ARROW
 - to remove a song from the LIST OF LISTENING select it and use the LEFT ARROW pointing towards;
3. Once loaded the tracks you want to click on the desired TOOLBAR.

LANGUAGE

By pressing the LANGUAGE icon it is possible to select the language settings of the equipment.

Once you have selected the desired language by pressing the corresponding line on the list box, press the virtual button OK to enable the loading of the selected language.

All messages and controls of the equipment will be shown in the selected language.

DISPLAY

By pressing the DISPLAY button it is possible to select the display settings:

- CALIBRATION
- SCREEN SAVER

To calibrate the equipment display:

1. press the SCREEN CALIBRATION virtual button;
2. follow the instruction shown a screen.

Once the calibration process is complete, an updating screen is displayed, then returns to the previous screen.

To enable a SCREEN SAVER:

1. press the SCREEN-SAVER virtual button;
2. choose from the list the screen saver desired;
3. set the delay after which the screen-saver will be shown;
4. once the screen-saver configuration process is complete, press the virtual button OK

To disable the screen saver ticking the box NOT SET.

DIAGNOSTIC

By pressing the DIAGNOSTIC button it is possible to see the diagnostic information about the equipment in real time.

The information available is the following:

- FIRMWARE VERSION
- SOFTWARE VERSION

MEMORY

Press the MEMORY button, you can FORMAT these memories deleting all files or DELETE individual data that may be present in the User Memory or Smart-Card.

The memory available can contain two types of data: CLIENT CARDS and the CUSTOMIZED PROTOCOLS.

FORMATTING the memory

1. Select the FORMAT button;
2. in the window that appears select:
 - YES to confirm formatting
 - NO to cancel the formatting

Formatting the Smart Card must necessarily be done when you insert a NEW CARD that has never been used.

It can also use the FORMAT function once the selected Smart-card as a secondary memory area to erase it completely, thus making it available, for example, for use on a different machine.

ELIMINATION data in memory:

To delete the CLIENT CARDS:

1. select GO TO THE LIST OF USERS;
2. select the data to be deleted, once selected will be highlighted in blue;
3. click DELETE;
4. a window will appear where you will be asked to select:
 - YES to confirm the deletion
 - No to cancel the deletion

To delete the PROTOCOLS:

1. select the desired protocol in the list;
2. click DELETE;
3. a window will appear where you will be asked to select:
 - YES to confirm the deletion
 - NO to cancel the deletion

If the Smart-card is not properly inserted into the slot, you can not format it. In this case, is loaded with default screen of any programs stored in the user, which will be the only support available for secondary storage any formatting.

MAINTENANCE

The aesthetic equipment for radiofrequency mono and bipolar treatments RF TOUCH do not require special maintenance, apart from a periodic servicing and cleaning of the handles/applicators, in order to assure the best operative conditions, to guarantee an efficient treatment and safety of the person being treated.

Regular maintenance of the equipment shall be carried out each time before you operate the equipment in order to verify its integrity and safety.

When cleaning the outer part of the equipment, make sure to use a soft, clean cloth dampened with luke-warm water or very mild non inflammable detergents.

Do not place objects on the machine that produce heat or containing water or other liquids.

Do not use compressed air or aerosol products; any dripping of liquid can impair the functioning of the equipment.

In case of accidental entry of liquids or foreign materials inside the casing do not try to open the device to remove penetrated material but contact your service agent and does not use the equipment.

The device must be periodically sanitized.

The probes and in particular the head of the probes should be periodically cleaned using water and denatured alcohol.

Store the handles/applicators with care after every treatment session.

For information on original accessories and spare parts please contact MATTIOLI ENGINEERING S.P.A. authorised dealers.

The operator is herewith informed that it is necessary to carry out periodical maintenance of the applicators and particularly:

- inspect the electrode surface to verify that there are no cracks, where conductive gel may enter the electrode;
- verify that the cable and the connector of the applicator are not damaged.

Do not spray, nor pour liquids on the external case of the radiofrequency equipment RF TOUCH, nor on air splits or near the LCD touch-screen display.

Do not dip the unit in water.

Do not dip the applicators nor the cables in liquids: as it may cause deterioration of electronic components and damage electric isolation of the cables.

After cleaning the outside of the box, perfectly dry all parts before starting the unit again.

Do not under any circumstances disassemble the unit in order to clean it or inspect it: there is no need to clean the inside of the RF TOUCH unit and, in any case, this operation must only be carried out by specialised personnel authorised by MATTIOLI S.P.A..

To make correct replacement of fuses on the device, follow these guidelines:

1. use a screwdriver to open the fuse holder tank, making sure to insert the screwdriver into the recess made on the pan fuse holder and prying outward
2. remove the fuse holder structure by sliding it along the guide
3. remove the fuses inserted and replace them with as new
4. insert the fuse holder into the fuse holder tank structure by sliding it along the guide
5. close plastic door of the pan fuse holder.

For optimal use of the device and to ensure its best performance, it is recommended to execute properly the maintenance in time and in the recommended manner.

Ordinary maintenance should be performed on the device prior to each use in order to verify the integrity and security.

In particular, before each use, you must:

- check that the power supply cable is intact and connected to the electric network,
- examine to view the entire equipment for any damage.
- check that there are not traces of humidity in the vicinity of the device, especially on the connectors.
- After treatment, turn off the unit and remove the power supply cable from the electric network if not should be used immediately.

Whenever there are any signs of damage to the cable, replace it before putting the device into work with the equal supplied at the beginning.

The RF TOUCH properly installed, in good repair and used according to the rules, is not considered hazardous for the operator or for the customer during its use.

- Before using this system, check that the voltage is 230 V, 50 Hz.
- Do not place objects on the equipment.
- Do not install or store the unit near heat sources, or exposed to rain or moisture
- If any should fall into or there was accidentally spilled, immediately disconnect the equipment from the network and have it checked by qualified personnel before operating it again.
- Clean the cabinet with a soft cloth lightly dampened (not dripping) with water and mild detergent or alcohol or furniture, do not use abrasives or solvents.
- Do not open or disassemble the equipment for any reason.
- Check the condition of the cable and the plug, replace if worn.

Certain verifications may be carried out by personnel who work on the device, while the other, more technical, must be carried out by trained and authorized by the manufacturer in the written form.

To ensure the safety and the correct operation of the apparatus must comply with the following program of maintenance.

OPERATION	BASIS (EACH)				EXECUTOR	
	7 days	1 month	3 months	12 months	User	Manufacturer
Check power supply cable	X				X	
Check power supply plug	X				X	
Check probe cable		X			X	
Visual inspection of any damage to the apparatus			X		X	
Instrumental verification of the radiated power				X		X
Instrumental verification electrical safety				X		X

RF TOUCH is an electronic device, therefore, to ensure its safety the periodic maintenance must be carried out exclusively at the laboratory at the laboratory and authorized by the manufacturer in the written form.

Modality of Hygienisation

The device must be sanitized periodically. Disconnect the power supply cable.

ACTION	ORGANIZATION	BASIS
Cleaning and sanitizing of the container	Operator	Daily
Cleaning/sanitizing of accessories in direct customer contact	Operator	Each session with different customer
Visual inspection of the power supply cable (in case of deterioration notify the technical service)	Operator	Weekly
Visual inspection of the probe cable (in case of deterioration notify the technical service)	Operator	Weekly

Do not use compressed air or aerosol products; any dripping any liquid can affect device operation.

In case of accidental penetration of liquids or foreign materials within the housing, does not open the device to remove the spilled material but contact the technical assistance service and does not operate the equipment.

Cleaning should be carried out using non-abrasive cloth with non-corrosive sanitizers.

Working place and storage

The device has been engineered to work in proper working places like the rooms destined for beauty treatments.

Environments with high thermal excursions, high humidity percentage, dripping of water or other liquids, dusty atmosphere or polluted by chemical agents, inflammable materials or gas, are inadequate both to use or store the device in.

The device can be used in the presence of other devices that normally are installed in the abovementioned rooms.

The use of the device in environments contaminated by resistive or capacitive radiofrequency, electromagnetic fields (mobile phones, etc.), ionizing radiations, mechanical and/or sonic vibrations or anyway in the presence of devices that usually are not used in medical, physiotherapeutic and beauty environments and that are not comply with the requisites of electromagnetic compatibility can provoke malfunctioning of the device, making it dangerous for the user and the client.

Maintenance and checks

The trials and tests carried out in our company represent the specific requirements to meet the needs of safety both of beauty and electro-medical devices.

In order to guarantee the safety of the client and the users, the latter must be requested to have the technical assistance service to check periodically safety standards and carry out maintenance service of the devices.

According to actual directives in order to obtain good reliability and effectiveness there must respect what follows:

- the installation, fine tuning, periodical inspections or reparations must be carried out by the producer or by staff authorised by the producer;
- the electrical system must comply with security norms;
- The device must be used following the instructions indicated in the user manual (keep scrupulously the manual);
- The device must be used with the accessories supplied by the producer.

Electrical safety

According to current directives C.E.I. 62.39 system safety, reliability and performance can be guaranteed only if:

- Installation, fine tuning and reparations are carried out by the producer or by technicians, authorised by the producer.
- the electrical system must comply with security norms;
- The device must be used following the instructions indicated in the user manual.

The publication C.E.I. n.12764 of November 1989 requests that the dispersion currents and the resistance of the protection conductor be measured no further than every two years, along with checking the integrity of the part connected to mains.

The expected work life of this equipment is 10 years.

TROUBLESHOOTING

The aesthetic equipment for radiofrequency unipolar and bipolar treatments RF TOUCH has been designed and manufactured using highly advanced technology and first class components for reliable and efficient performance.

However, should you meet with any operational problems, we recommended that you consult the following guide before contacting any of our authorised service centres.

If any of the following situations occur, disconnect the machine and contact MATTIOLI ENGINEERING S.P.A. authorised service centres:

- the cable set or rear supply panel show signs of wear and tear or are damaged;
- the liquid has entered the equipment;
- the equipment has been exposed to rain.

ELECTROMAGNETIC INTERFERENCES

The aesthetic equipment for radiofrequency mono and bipolar treatments RF TOUCH has been designed and manufactured according to the ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2004/108/CE with the aim of providing adequate protection from harmful interference when installed in homes and health establishments.

All required measurements and tests have been carried out in MATTIOLI ENGINEERING's internal Testing, Measurement and Inspection laboratory (LPMC), in addition to other external specialised institutes. The customer, upon prior request, may view the reports relative to EMC measures within the company.

The equipment does not generate significant radio frequency energy and is adequately immune to radiated electromagnetic fields. Therefore it does not detrimentally interfere with radio-electric communications, electro-medical equipment for monitoring, diagnosis, therapy and surgery, office electronic devices such as computers, printers, photocopiers, fax machines, etc. or any electric or electronic equipment used in these environments, as long as said equipment complies with the ELECTROMAGNETIC COMPATIBILITY directive .

In any case, in order to avoid any interference problems, we recommend that you operate the equipment far enough away from critical equipment for monitoring vital client functions, and that you be careful when applying treatment to clients with pacemakers.

TROUBLESHOOTING CHART

PROBLEM	POSSIBLE CAUSE	SOLUTION
Non si accende il display LCD sul pannello frontale: l'apparecchio non funziona.	Supply cable plug not correctly inserted in the wall receptacle.	Check for proper functioning of the wall socket
	Mains cable not properly connected to the connector of power supply	Plug in properly and connect cable to the connector of power supply
	Mains cable worn or blocked.	Replace mains cable.
	Connection multipolar cable not properly connected to the connector.	Plug in properly the connection multipolar cable to the connector on the back of generator.
	Connection multipolar cable worn or blocked.	Contact an MATTIOLI ENGINEERING S.P.A. service centre.
	General switch ON / OFF of Power Supply off.	Turn general switch on the back of Power Supply on.
	General switch ON / OFF of generator off.	Turn general switch on the back of Generator on.
	Fuse or fuses damaged or blown.	Replace missing, faulty or blown fuse(s).
	Control electronic circuit failure.	Contact an MATTIOLI ENGINEERING S.P.A. service centre.
The LCD display doesn't turn on.	Faulty components on the electronic control card.	Contact an MATTIOLI ENGINEERING S.P.A. service centre.
Some controls on	Faulty keys or buttons.	Contact an MATTIOLI

the front control panel do not work properly.	Control electronic circuit failure	ENGINEERING S.P.A. service centre.
The device does not emit the treatment.	Faulty connections in circuit output applied by operator.	Carefully check the correctness and integrity of the output connections.
	Probe/applicator cable cut or improperly connected.	Replace faulty handle/applicator showing signs of wear on head and cable.
	Output cables worn and/or with faulty contacts.	
	Failure in electronic current generator circuit.	Contact an MATTIOLI ENGINEERING S.P.A. service centre.
The device works properly, but a fall in treatment effectiveness is observed.	Non perfectly efficient connection on handle/applicator output circuit.	Carry out prescribed maintenance. Install and position unit as described. Make sure applicator cable and connector are in good conditions.
	Mechanical damage (following a fall or violent impact) of the probe-applicator, especially on the radiating head.	Ensure that the radiating head adheres perfectly to the treatment surface.
	Electronic circuit of generator not perfectly calibrated.	Contact an MATTIOLI ENGINEERING S.P.A. service centre.
	Possible fault in unit current generator circuit.	

TECHNICAL SPECIFICATIONS

GENERATOR RF TOUCH	
Power supply	100V, 24V, 16 V, through Power Supply RFPS1 o RFPS2
LCD backlit display to show and control all operating parameters	Colour Touch screen, 5,7" 320x240 pixel
Programmable treatment time	Up to 60 minutes
Peak power	300 Wpk max. (unipolar)
Probe emission frequency	455 KHz \pm 10%
Standard handsets	Bipolar
	Unipolar
Type of electrode	Resistive (for Bipolar)
	Capacitive (for Unipolar)
Resistive Electrodes diameter for Bipolar treatment	25 mm
	45 mm
	70 mm
Capacitive Electrodes diameter for Unipolar treatment	30 mm
	40 mm
	50 mm
	60 mm
	70 mm
	80 mm

Max power density of capacitive electrodes		42.46 W/cm ²
Output channels		2 independents
Stored programs		12+15
Storable programs on the user memory		100
Storable programs on Smart Card		100
Storable Client Cards on the user memory:		Depending on the number of characters used to compile the card
Storable Client Cards on Smart Card		
Type of secondary memory		Integrated user memory
		Smart-Card
Conditions for use	Room temperature	(10 : 40)°C
	Relative humidity	(30 : 85) % without condensation
	Atmospheric pressure	(700 : 1060) hPa
Conditions for stocking / transport	Room temperature	(-20 : +45) °C
	Relative humidity	(0 : 95) % without condensation
	Atmospheric pressure	(500 : 1060) hPa
Table container external dimensions (Width x Height x Depth)	Generator	34x23x20.5 cm
Weight generator		6.35 Kg

POWER SUPPLY for RF TOUCH		
Power supply	RFPS1	230 Vac, 50-60 Hz, ±10%
	RFPS2	115 Vac, 50-60 Hz, ±10% *
Max mains power absorption:		300 VA with unit GENERATOR integrated
Double delay mains fuses protection	230 Vac	3.15 A-T - 5 x 20 mm
	115 Vac	6.3 A-T - 5 x 20 mm
Table container external dimensions (Width x Height x Depth)	Power Supply	23.8x10x16 cm
Weight Power Supply		5.6 Kg

* upon request

APPENDICES

Appendix A - ENVIRONMENTAL CONSIDERATIONS

The aesthetic equipment for radio frequency unipolar and bipolar treatments RF TOUCH, has been designed and manufactured to have minimal negative environmental impact, in line with its operational and safety requirements.

Rigorous standards were followed in order to minimise the amount of waste, use of toxic materials, noise, non-required radiation and energy consumption.

















In accordance with careful research, the unit has been designed to optimise power consumption in keeping with energy saving principles.



This symbol means that the product should not be disposed of as domestic waste.

The user must dispose of scrap equipment by taking it to a recognised electrical and electronic recycling centre.

Appendix B – LABELS

Symbol	Meaning
	Product certification
	Manufacturer and date of manufactured
	Manufacturer
	Type BF equipment
	Attention, read the accompanying documents of the product
	See the user manual
	The product must be disposed of as "electronic waste", not as "domestic waste"
	Input characteristics
	Main power supply – Input voltage to the device
	Fuses
	Absorbed power – Input power of the device
	Emission frequency – Input frequency of the device
REF	Business model of the equipment
SN	Serial number
	Output characteristics of the device
	Output power of the device
	Output frequency of the device
	Output voltage to the device


Symbol	Meaning
	Output peak power of the device

Table 1















Label - Meaning	Label - Meaning
 <p>This label is placed near equip-potential connection placed on the rear panel of Power Supply.</p>	 <p>This label indicates that a radiofrequency output signal is present, placed near the applicator connectors.</p>

Table 2








Appendix C – LIST OF BIPOLAR PROTOCOLS









N°	Treatments of BIPOLAR radiofrequency	Time (min.)	Initial Power (%)	Size of resistive electrode
1	Teleangiectasia on the face	10	0	 small (25mm)
2	Wrinkles (on the forehead – neck skin relaxation ad wrinkles e rughe)	10	0	 small (25mm)
3	Acne scars	10	32	 small (25mm)
4	Active acne	10	32	 small (25mm)
5	Outcomes acne scars	10	66	 medium (45mm)
6	Face and neck skin laxity	15	32	 medium (45mm)
7	Face skin laxity	15	32	 medium (45mm)

N°	Treatments of BIPOLAR radiofrequency	Time (min.)	Initial Power (%)	Size of resistive electrode
8	Body skin laxity	20	66	 big (70mm)
9	Cellulitis	20	66	 big (70mm)
10	Solar lentigo	15	0	 small (25mm)
11	Stretch marks	20	66	 big (70mm)
12	Post-lifting maintenance	10	32	 small (25mm)

Note: IT IS RECOMMENDED TO START THE TREATMENT WITH POWER THAT DOES NOT EXCEED 50%, WHICH WILL THEN BE PROGRESSIVELY INCREASED ON THE BASIS OF THE TREATMENT TO BE PERFORMED.

Appendix D – LIST OF UNIPOLAR PROTOCOLS

N°	Treatments of UNIPOLAR radiofrequency	Time (min.)	Initial Power (%)	Size of capacitive electrode
1	Facial muscles hypotonia	30	32	 Small 30 mm
2	Localized facial adiposity	30	32	 Small 30 mm
3	Face cutaneous relaxation	30	32	 Small 30 mm
4	Face dermo care	30	32	 Big 50 mm
5	Edematous lipodystrophy	40	66	 Big 50 mm
6	Fibrous lipodystrophy	45	66	 Big 50 mm
7	Sclerotic lipodystrophy	45	66	 Big 50 mm

N°	Treatments of UNIPOLAR radiofrequency	Time (min.)	Initial Power (%)	Size of capacitive electrode
8	Abdominal localized adiposity	45	66	 Magnum 80 mm
9	Gluteal localized adiposity	40	66	 Magnum 80 mm
10	Hips localized adiposity	40	66	 Magnum 80 mm
11	Thigh localized adiposity	40	66	 Magnum 80 mm
12	Body muscles hypotonia	40	66	 Magnum 80 mm
13	Breast muscles hypotonia	40	32	 XXL 70 mm
14	Body cutaneous relaxation	45	66	 Magnum 80 mm
15	Breast cutaneous relaxation	40	32	 XXL 70 mm

Note: IT IS RECOMMENDED TO START THE TREATMENT WITH POWER THAT DOES NOT EXCEED 50%, WHICH WILL THEN BE PROGRESSIVELY INCREASED ON THE BASIS OF THE TREATMENT TO BE PERFORMED.

Appendix E – DECLARATION OF RESPONSIBILITY**DECLARATION OF RESPONSIBILITY**

I, the undersigned declare, under my responsibility that:

1. I do not have autoimmune diseases affecting collagen tissues e.g. lupus
2. I do not have serious decompensate diabetes
3. I am not pregnant
4. I am not wearing a pace maker
5. I do not have Sclerodermia
6. I do not have moles in the area to be treated
7. I do not have mycete
8. I am not Epileptic
9. I have not implants made of metal in the areas to be treated
10. I have not Dermatitis do not have in place

Date

SIGNATURE

.....

TECHNICAL ASSISTANCE REQUEST FORM (rev. 0 of 10/01/2007)

(to fill it out completely!)

COMPANY	REFERENCE PERSON		TELEPHONE	
	E-MAIL		FAX	
PRODUCT	SERIAL NUMBER	PURCHASE DATE	DEFECT FOUND	APPROV.

Technical assistance conditions and rules:

The merchandise will be sent (together with standard accessories) **EX-WORKS** our headquarters at Via F. Petrarca 80/82 50041 Calenzano (FI) – Italy. In case the merchandise is found damaged, it will be returned to the sender out of warranty and the transport expenses for the merchandise return will be charged to the sender. The packing has to be appropriate to fragile material shipment and all the electronic parts must be packed with an antistatic product.

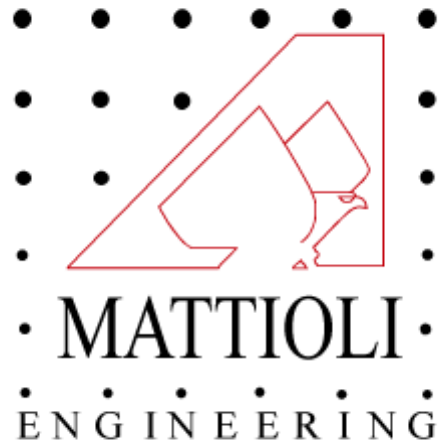
A necessary condition for the merchandise shipment is the above **stated FORM**, which should be filled out completely and included to the shipment, along with a detailed **TECHNICAL REPORT**.

Otherwise we will not be able to provide for the problem resolution.

Stamp and signature for acknowledgement and acceptance _____

Date of request _____

MATTIOLI ENGINEERING S.P.A. Via F. Petrarca 80/82 50041 Calenzano (FI) – Italy



• MATTIOLI •
• E N G I N E E R I N G •

MATTIOLI ENGINEERING ITALIA S.p.A.

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