User Manual



eMotio



Model Shown: 4050-20 + accessories



Electric adjustable height couch 4050-20

Product Identification

Model name:	Serial number:
Acquisition date:	Owner name / Organization:
Supplier name:	Supplier telephone number:
Promotal approved After Sales service Company:	

Legal information

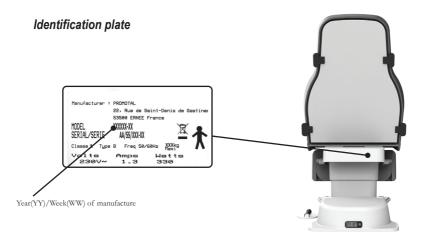
PROMOTAL

22, rue de Saint-Denis de Gastines B.P. 26 - 53500 ERNÉE Cedex FRANCE

Tel: +33 (0)2 43 05 12 70 Fax: +33 (0)2 43 05 68 99 internet : www.promotal.com The descriptions and specifications contained in the present User Manual are considered to be correct at the time of printing.

Promotal reserves the right to modify or declare obsolete its models and procedures without notice.

Before ordering, we recommend that you contact a local sales manager.



Important information	6
Safety symbols	6
Applied parts	7
Electrical power supply	7
Electromagnetic interference	7
Precautions when unpacking	8
Medical device delivered on a wooden pallet	8
Storage conditions	8
Conditions of use	8
Unpacking and Installation	8
Step by step	8
Check	9
Cleaning protocol	10
Warning	10
Cleaning/Disinfecting	10
User manual – eMotio	11
Intended purpose	11
Patient weight capacity	11
Protection against penetration of liquids	11
Characteristics	11
Electrical connection	12
Dimensions / Installation precautions	12
Assembly instructions	13
Assembling the lying surface	13
Dismantling the support board	13
One piece upholstery	14
Leg rest upholstery	15
Control panel	15
Installing the control panel	15

Safety	16
Perimeter protection for the user	16
Using the control panel	18
Control panel	18
Presentation	18
Description of functions	19
Welcome Position	19
"Couch" Position	19
"Chair" Position	19
Positions "QE1" and "QE2"	19
Position on castors	19
Welcome Position	20
Couch Position	20
Adjusting the backrest with the control panel	21
Chair Position	21
Adjusting the leg rest with the control panel	22
Position on castors	22
Positions QE1 or QE2	23
Using the individual controls	24
Variable height control pedal	24
Connecting the variable height control pedal	24
Using the pedal	24
Height safety mechanism	25
Adjusting the height	25
Seat inclination control pedals	26
Using the pedals	26
Using the couch	27
Paper roll	27
Installing the paper roll	27
The levellers	27
Adjustment of the levellers	27

Accessories	28
Pair of assistance handles	28
Installing the handles	28
Using the assistance handles	29
Pair of stirrups	30
Installing the stirrups	30
Removing the stirrups	30
Head rest	30
Pair of armrests	31
Installing the armrests	31
Conversion to legrests	32
Lamp holder	33
Fixing of the lamp on the support	33
Installing the lamp holder	33
Lamp	34
Options	35
Additional mains plug and equipotential terminal	35
Using the additional mains plug	35
Lifespan of the Medical Device	36
Compulsory / specific maintenance	36
Medical device end of service life	36
Maintenance notebook	37
Warranty information	38
Warranty	38
Obligations	38
Exclusions	38
Exclusive Remedy	38
No Authorization	38
Declaration of Conformity	39

Safety symbols

Warning sign

Information marked with this symbol must be read and strictly complied with!

Remark

Draws your attention to a procedure, practice or situation.



Humidity limitation

Atmospheric pressure

limitation

Life cycle (motor cycle)



N

stacked pallets Temperature limitation

Maximum number of



Correct orientation for transportation







Keep in a dry place

Type B applied part



Not to use sharp objects



C F CE marking

Fuse rating



Protective earth

Equipotential terminal

Manufacturer



Dangerous voltage / risk of electrocution

1 minute working / 9 minutes stopped Refer to the instruction

manual / brochure



To be disposed off separately from household waste



General safety sign



Housing protection classification

Remark

the equipotential terminal allows the connection of an equipotential conductor to bring all the different elements of an electro-medical system to the same potential.



Do not sit on the back rest



Do not sit on the leg rest



You must not use the medical device for transfers



Warning

You must not remove the pictograms and warning signs provided by the manufacturer! The manufacturer disclaims all responsibility in case of removal of these signs.

Applied parts

The applied parts according to standard EN 60601-1 are:

- PVC upholstery
- Assistance handles (accessories)
- Gynecological examination stirrups (accessories)

Electrical power supply

The equipotential terminal must not be used as a protective earth connection under any circumstances.

This medical device has electrical classification 1, it must only be connected to a power supply equipped with a protective earth.

Electromagnetic interference

This Promotal medical device was designed and built to minimize electromagnetic interference with other equipment. If interference is, however, observed, you must remove the apparatus causing the interference from the room and/or plug it into an isolated circuit.

Medical device delivered on a wooden pallet

The medical device positioned on a wooden pallet may be easily moved using a forklift truck, as long as this is used correctly. Before transportation, ensure that the forklift truck is correctly positioned in relation to the pallet, and that the unit is stable.

Storage conditions

Ambient temperature: Relative humidity : Atmospheric pressure :

All storage must be carried out in accordance with the following recommendations:

- Clean, aired and temperate area.

- Medical device stored in an area sheltered from bad weather and direct sunlight.

- Dry room.

Conditions of use

- Dry and temperate area.

– Maximum altitude : 2000 m

Unpacking and Installation

Step by step

1) During unpacking, remove all staples and remove the cardboard packaging carefully.

Caution : be careful with cutting tools, as fragile parts of the medical device *(covering, plastic housing, etc.)* may be near them.

2) If possible, transport the medical device on its pallet up to the final place of use.

The medical device is adjusted to a resistant position for transportation.

3) Next, remove the medical device from the pallet using the transportation straps delivered with the chair.

4) Once the packaging has been removed, remove all other remaining protection.

cf : as indicated in the diagram

Caution

Four people are required to remove the medical device from the pallet.

-15 °C to +60 °C (+5 °F to 140 °F) 10 % to 90 % (without condensation) 0.5 bar to 1.05 bar (500 hPa to 1050 hPa)

- Medical device protected from shocks.

- Do not store in an area subject to frequent passage.

- Do not stack material.

- Keep in its original packaging until the final destination.

- Temperature 10 to 40° C

- Relative humidity 75% maxi.



Check

Having unpacked the medical device, follow these steps:

1) Check the delivery documents to ensure that the delivery is complete.

2) Check the external components for any damage during transportation.

3) Check that the packaging contains the medical device, accessories and options, the supply cable *(if electrical MD)* and the User Guide.

Remark:

Authorized EC Representative

Within the European Union, all problems, complaints or questions should be addressed to the Authorized EC Representative of Promotal indicated below:

Promotal 22, rue de Saint-Denis de Gastines 53500 Ernée, FRANCE Telephone : + 33 (0)2 430 517 76 Fax : + 33 (0)2 430 572 00

Warning

It is vital to read the user's manual thoroughly before manipulating this Medical Device. The equipment should only be used for its intended purpose as described in our documentation. Installation and connection must only be carried out by qualified personnel. The electrical components (cylinder, box, control handle, battery, adapter, etc.) must not be opened under any circumstances. PROMOTAL shall not be held liable for any damage resulting from non-compliance with these instructions.

Any modification to the medical device without written authorization from the manufacturer is forbidden.



Only accessories designed and provided by Promotal for this medical device are authorised for use.



Caution This medical device is not intended to be cleaned in a washing tunnel.

Cleaning/Disinfecting

This medical device must be regularly cleaned using the appropriate detergent products and disinfected using bactericidal, virucidal and fungicidal disinfectants.

A mild detergent such as soapy water can be used for routine cleaning of upholstery, stainless steel, aluminium or painted surfaces, plastic parts and control components, followed by effective rinsing and thorough drying. Detergents and disinfectants designed for use with medical appliances, such as those containing quaternary ammonium compounds, hydrogen peroxide, ethanol, chlorine compounds, etc. can be used on our medical devices provided that:

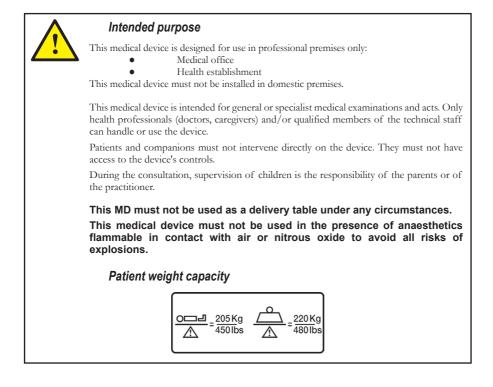
- The concentration prescribed by the suppliers of such products are complied with;
- The application conditions (contact time, quantity used, temperature, rinsing, etc.) are complied with;
- The supplier's instructions state that the detergent-disinfectant used is suitable for use with:
 - PVC, ABS, Polyamide, Polyurethane, Polypropylene
 - · Epoxy-coated metal surfaces
 - Stainless steel or aluminium metallic surfaces.

Warning :

- Solvents are strictly prohibited.
- The use of abrasive powders or any other abrasive product should be avoided.
- High-pressure cleaning is forbidden.



Under no circumstances shall Promotal be held liable under warranty for any damage caused by non-compliance with the use instructions for a detergent disinfectant.



Protection against penetration of liquids

• IP X1

Characteristics

Electric variable height from 450 to 960 mm. Steel structure with ABS coating. Electrical control by pedal and control panel. Anatomical upholstery, M1 coating. Integrated paper roll holder (max. width 500 mm - Ø 125 mm max.). Adjustment levellers under the base. Net weight: 148 kg



Electrical connection

This medical device must be connected to the mains supply.

- Connection to the mains supply :
- Frequency :
- Protection classification :
- Absorbed power :
- Intermittent operating mode :

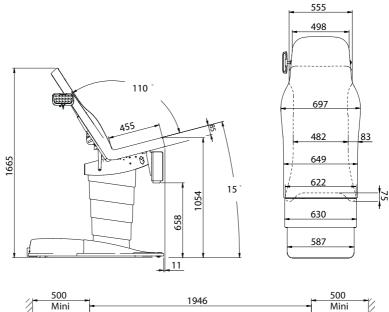
 $120~V~{\rm or}~230~V$ (depending on the country) $50/60~{\rm Hz}$

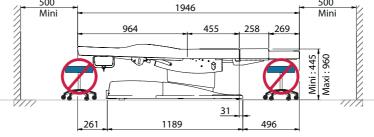
Class 1/ type B device

575 W 1 min / 9 min

Caution a power cut could prevent the patient support from being lowered to the low position. The patient exit must be carried out in the best possible conditions of safety.

Dimensions / Installation precautions



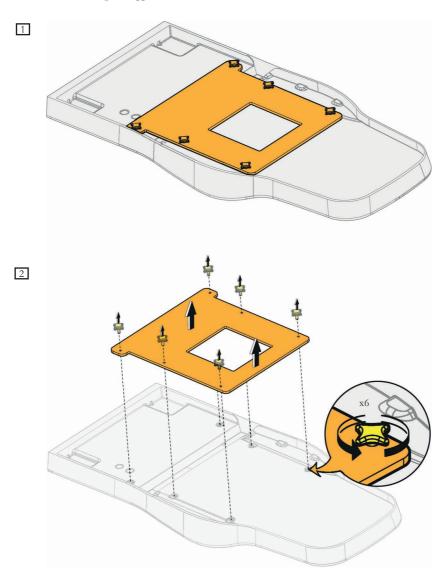


Assembly instructions

The medical device is supplied disassembled. The packaging contains 2 packages: the upholstery. the structure.

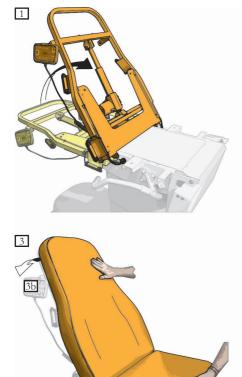
Assembling the lying surface

Dismantling the support board

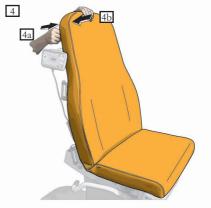


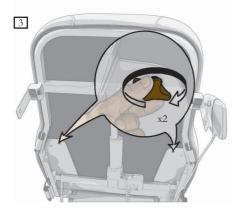
Assembly instructions

One piece upholstery

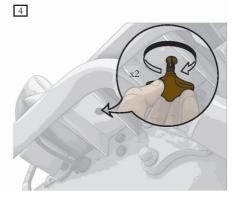


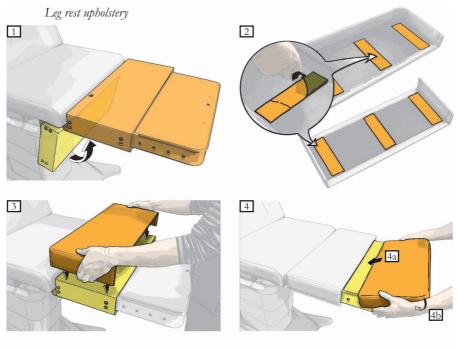






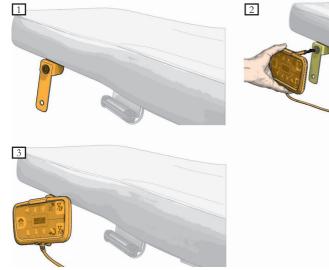
3a





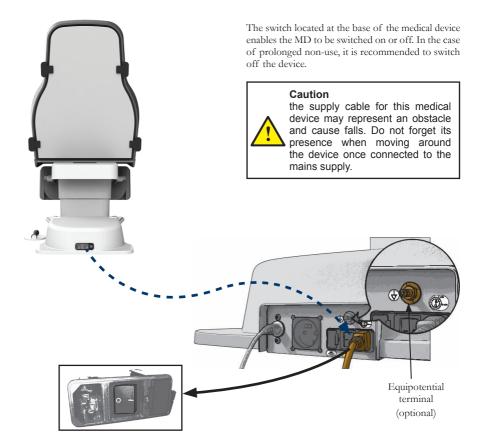
Control panel

Installing the control panel





Safety



Perimeter protection for the user

To avoid risks of pinching between the upper structure and the base of the medical device, the housing is equipped with sensors that cut-off movements in the event of pressure on the front or rear part of the housing.





Safety note

Before using the medical device lowering control, ensure that no objects or obstacles are between the moving parts and the ground.



Safety note

When using the pre-programmed positions (welcome, QE1, QE2, chair position, couch position), all movements can be interrupted by pressing on one of the controls available on the couch, or as a last resort, by directly pressing on the ON/OFF switch or unplugging the mains plug.



Safety note

When moving to one of the programmed positions (*welcome, QE1, QE2, chair position, couch position*), do not leave the patient on the couch without surveillance.



Safety note

Unplug the power supply cable before moving the MD.

The programmed functions are grouped on a specific control panel.

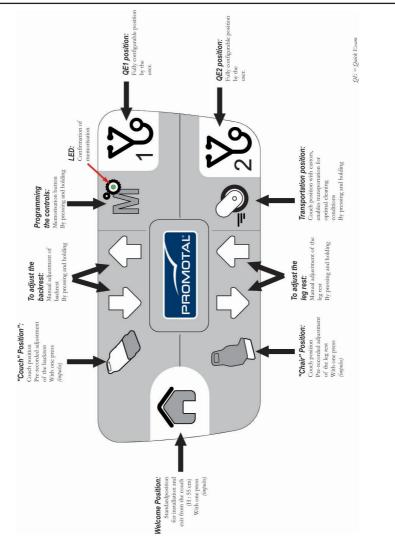
Control panel

(for models 4050-20)

Presentation



Safety note When moving to one of the programmed positions (*welcome, QE1, QE2, chair position, couch position*), do not leave the patient on the couch without surveillance.



Description of functions

Welcome Position 🏫

This is the standard use and exit position with: Raised backrest Retracted leg rest

Seat inclined to 2.5° (*if equipped*)

The seat is positioned at 55 cm from the ground.

The return to position is by 1 press on the button $\widehat{\square}$.

NB: This position cannot be modified.

"Couch" Position 🏷

This is a position with the leg rest out and the seat horizontal.

The return to position is by 1 press on the button

Having adjusted the required position for the backrest, it is possible to memorise it by pressing on the button $\mathbf{M}^{\mathbf{p}}$, then the button \mathbf{N} simultaneously for 2 seconds.

The return to position does not modify the height of the couch, unless it is below the welcome height. In this case, it adjusts to the welcome height, then goes to the "Couch" position.

NB: During a return to position, it is possible to interrupt all movements at any time by pressing on any button on the remote controller or any other individual control.

"Chair" Position 🖏

This is a position with the leg rest retracted and the seat inclined to 2.5°.

The return to position is by 1 press on the button \bigcup .

Having adjusted the required position for the backrest, it is possible to memorise it by pressing on the button $\mathbf{M}^{\mathbf{p}}$, then the button \mathbf{L} simultaneously for 2 seconds.

The return to position does not modify the height of the couch, unless it is below the welcome height. In this case, it adjusts to the welcome height, then goes to the "Chair" position.

NB: During a return to position, it is possible to interrupt all movements at any time by pressing on any button on the remote controller or any other individual control.

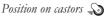
Positions "QE1" and "QE2" 1 22

These are positions that can be entirely configured by the user.

Once the preferred position is reached using the different individual controls for the sections, the position is memorised by pressing on the button \mathbf{M} , then the button \mathbf{M} simultaneously for 2 seconds.

The return to position is by 1 press on the button $\frac{1}{10}$ or $\frac{1}{20}$.

NB: For safety reasons, it is not possible to record a position lower than the height of 55 cm. In the event of recording in these conditions, the height recorded will be 55 cm.



This is a position with the leg rest retracted, the backrest inclined to 35° and seat positioned at 46 cm from the ground to allow the use of the integrated retractable castors.

The return to position is by **pressing and holding** the button **()**.

The return to a standard position is by 1 press on the button \bigcirc .

NB: This position cannot be modified. It is strictly prohibited to use the medical device to transfer patients.

It is strictly prohibited to load the medical device when it is on castors.



Safety note

When using the pre-programmed positions (welcome, QE1, QE2, chair position, couch position), all movements can be interrupted by pressing on one of the controls available on the couch, or as a last resort, by directly pressing on the ON/OFF switch or unplugging the mains plug.

Using the control panel

Welcome Position

(for models 4050-20)

The position below is obtained by pressing on the manual control. *cf pages 18-19*



In some cases of heavy operation of the lifting system, variations in the height of reception may be observed. Then it's just a matter of putting emotio on casters (cf, page 22) to reset the engine.





Couch Position

(for models 4050-20)

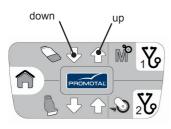
The position below is obtained by pressing on the manual control. *cf pages 18-19*



Adjusting the backrest with the control panel

(for models 4050-20)

The position below is obtained by pressing and holding the manual control. *cf pages 18-19*

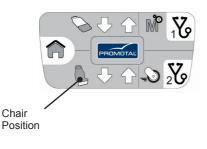




Chair Position

(for models 4050-20)

The position below is obtained by pressing on the manual control. *cf pages 18-19*

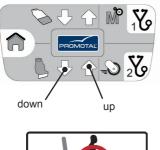




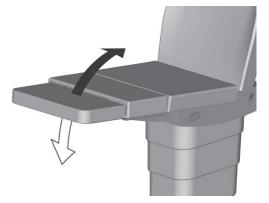
Adjusting the leg rest with the control panel

(for models 4050-20)

The position below is obtained by **pressing and holding** the manual control. *ef pages 18-19*



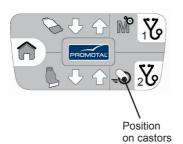




Position on castors

(Standard for models 4050-20)

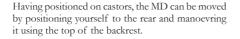
The position below is obtained by pressing and holding the manual control. *cf pages 18-19*





Safety note

unplug the power supply cable before moving the MD.



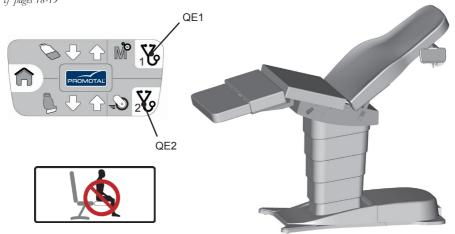




Positions QE1 or QE2

(for models 4050-20)

The position below is obtained by pressing on the manual control. *of pages 18-19*



Using the individual controls



Safety note

When using the pre-programmed positions (*welcome, QE1, QE2, chair position, couch position*), all movements can be interrupted by pressing on one of the controls available on the couch, or as a last resort, by directly pressing on the ON/OFF switch or unplugging the mains plug.

All the individual controls are used by pressing and holding.

(releasing the control interrupts the corresponding movement).



Seat inclination control

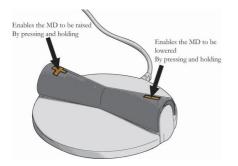


Variable height control pedal

Connecting the variable height control pedal



Using the pedal



It is possible to return to pre-programmed positions using the pedal:

Double pressing on the + of the raising pedal to return to the welcome position \bigcirc .

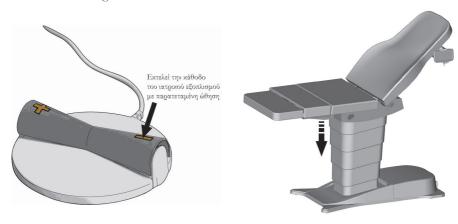
Double pressing on the - of the raising pedal to return to the preferred examination position \bigvee .

Adjusting the height Raising the MD





Lowering the MD



Height safety mechanism

During the descent, eMotio stops at 55 cm (welcome height). Release the pedal, then press again to continue the descent to 46 cm.

The seat inclination is disactivated below 55 cm.

Caution



In some cases of heavy operation of the lifting system, variations in the height of reception may be observed. Then it's just a matter of putting emotio on casters (cf, page 22) to reset the engine.

Seat inclination control pedals

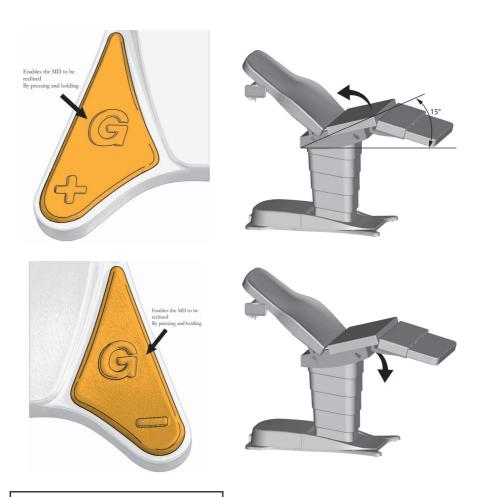
(Optional for model 4050-20 only) (reference 40300)

Using the pedals

The inclination is adjusted using the controls located on the edge of the housing.

Press on the pedal G^+ to obtain an inclination.

The return to the horizontal position is done using the opposite pedal.



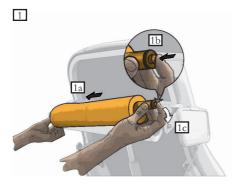
Safety note

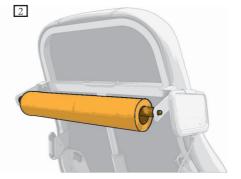
For safety reasons, if the backrest is flat, it will raise slightly when inclination is requested.

Using the couch

Paper roll

Installing the paper roll





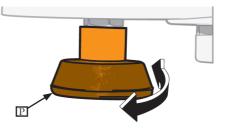
Caution Hold the paper roll holder during this intervention

The levellers

Adjustment of the levellers

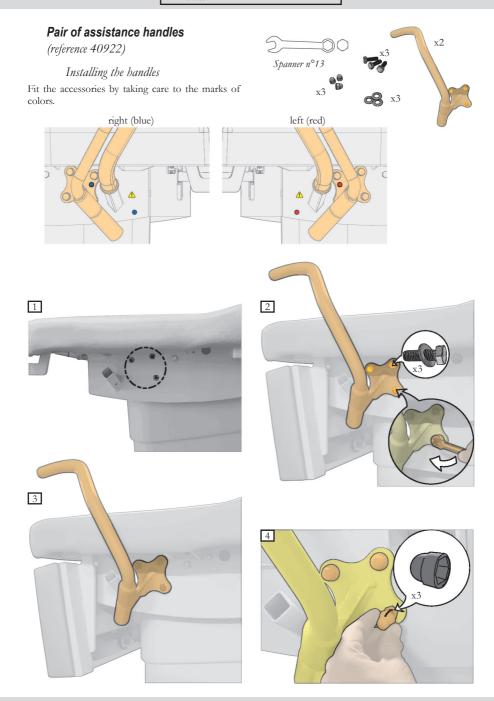
Only concerns the 2 rear levellers.

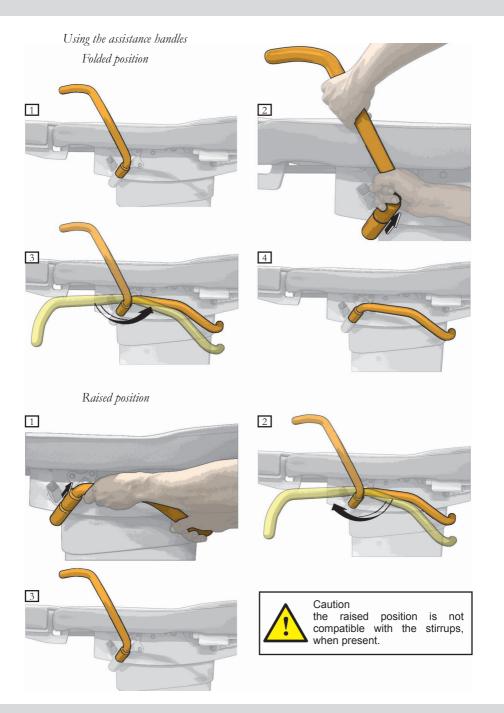
Screw or unscrew the leveller $\left(P\right)$ to the required height.





Only accessories designed and provided by Promotal for this medical device are authorized







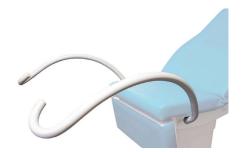
Only accessories designed and provided by Promotal for this medical device are authorized for use.

Pair of stirrups

(reference 40850)

Installing the stirrups

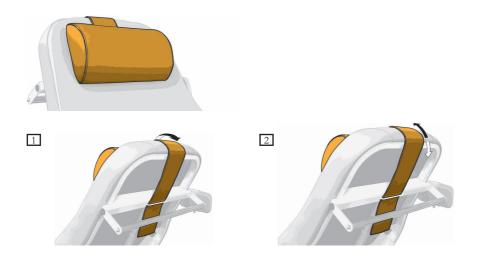




Removing the stirrups



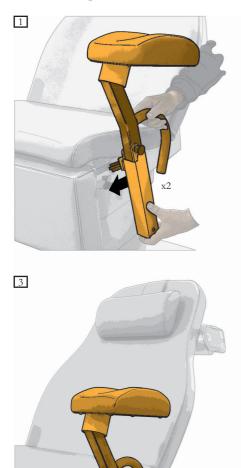
Head rest (reference 11679-01)

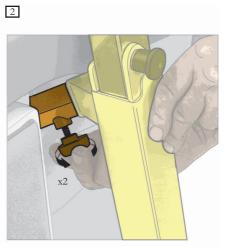


Pair of armrests

(Reference 40923)

Installing the armrests



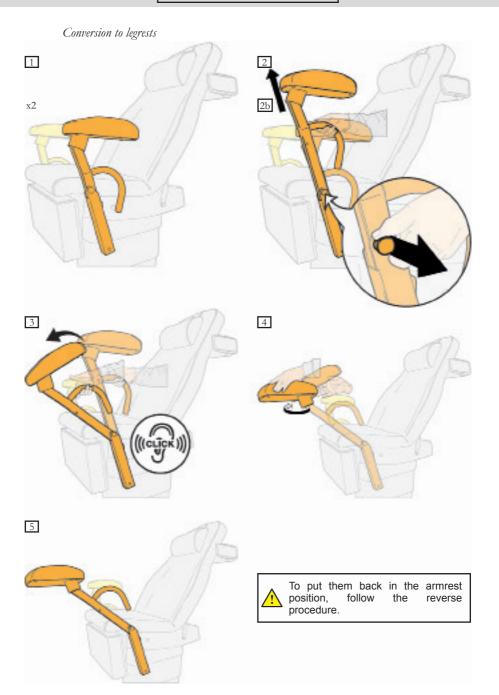


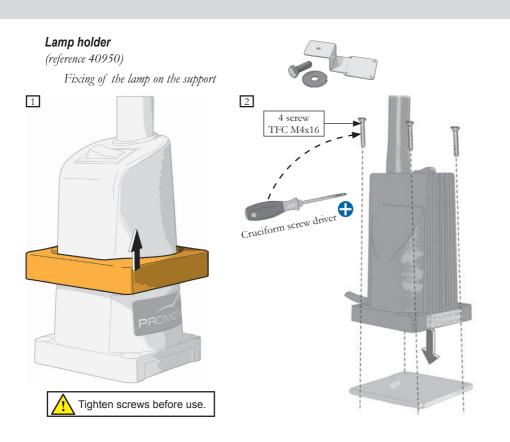


Warning, accessory 40923 is not compatible with stirrups 40850 and handles 40922

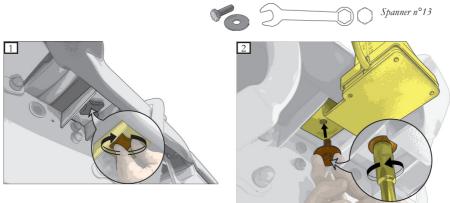
Accessories







Installing the lamp holder





Only accessories designed and provided by Promotal for this medical device are authorized for use.

Lamp

(reference LEDXX)



Caution Clamps are necessary to install these accessorie. (reference 40950)



Additional mains plug and equipotential terminal

(reference 40400)



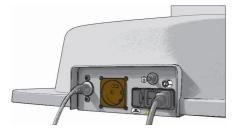
Safety note

By connecting a medical device to the additional mains plug, the unit becomes an Electro-medical system according to the standard EN 60601-1. The user must ensure that the EM system is in conformity with the standard EN 60601-1 (article 16).

Using the additional mains plug

• Characteristics : 120 V or 230 V depending on the country

2,5 A maxi





This device is designed for a 10 year lifetime (except wear parts) under normal use conditions. This lifetime may vary according to frequency of use.

CHECK THE GENERAL CONDITION OF THE DEVICE AT LEAST ONCE A YEAR.

The wear parts are:

- The upholstery.
- The electric cylinders.

Promotal recommends replacing the wear parts after 5 years use maximum.

For all interventions, contact your usual dealer, indicating the Serial number of the device.



Material warning

Within the framework of maintenance, only the installation of components designed and provided for this MD by Promotal is authorised.

Compulsory / specific maintenance

Once a year, ensure that the following checks are carried out by a qualified technician (contact your dealer):

- Ensure that all screws are correctly tightened.
- · Check the fixings of articulated parts.
- Ensure that the structure has not been deformed.
- Ensure the fuses are in good condition.
- Check that the power cable has not been cut or damaged.
- Check the different connections (excessive play, noise...)
- Note this information and the control date in the maintenance record.

Once a month :

• Check the correct operation of the safety devices (cf page 16).

Medical device end of service life

Your dealer is responsible for the recovery and end of life treatment of this device.

If necessary, do not hesitate to contact Promotal. We can propose solutions to treat this equipment in the best conditions.



Material warning

Upholstery whose coating is torn no longer provides an effective anti-bacterial barrier and must be replaced without delay.



Material warning DO NOT dismantle THE DEVICE

If a fault is detected, immediately contact your dealer or the dealer's technical department (cf.Warranty Chapter) for a complete diagnosis. If you have a doubt, do not use the device.

MAINTENANCE NOTEBOOK

Product Reference :	Serial number (cf. label) :	Manufacturing date (start date of warranty) :
Product Reference :	mber (cf.	ing date (start date o

//	

Type of intervention - corrective action					
Name of technician					
Date					

If the product is returned to the retailer or manufacturer, please clean and disinfect the material.

Maintenance notebook

Warranty

Promotal guarantees emotio and its components* on the billing date :

10 years on the structure.

5 Years on electrical components :

control panel, pedal, cylinders, control box, safety sensors and cabling.

Obligations

Promotal will, at its discretion and expense, replace defective parts reported to Promotal within the applicable warranty period, and which, upon examination by Promotal, prove to be defective.

In accordance with CE regulation, Promotal's distributor is responsible for after sales service during and after the warranty period.

Exclusions

- This warranty does not extend to :
 - (1) Spare parts and consumables.
 - (2) Travel and labour expenses.
 - (3) Breakdowns due to improper use, manifest neglect, or to moving the device.
 - (4) Equipment whose original characteristics have been changed by the user.
 - (5) Control units, hydraulic and electric jacks if opened by the user (seals broken).

(6) Damage, breakdowns, failures, or defects attributable to outside causes (lightning, electric surges, floods, natural catastrophes, impacts, etc.) or to the presence of foreign objects.

(7) Damage caused by improper hook-up or by the power supply, damage caused by corrosion or by gradual deterioration of the product.

(8) Indirect damage related to loss of use and penalties generated by poor performance.

(9) Aesthetic damage incurred by the outside parts of the equipment, which does not hinder proper operation, such as scratches, chips, and scrapes.

(10) Devices whose serial number has been rendered illegible or has been changed or removed

Exclusive Remedy

Promotal's only obligation under this warranty is the replacement of defective parts. Promotal shall not be liable for any direct, indirect, special, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profi ts or lose of use.

No Authorization

No person or fi rm is authorized to create for Promotal any other obligation or liability in connection with the products.

THIS WARRANTY IS PROMOTAL'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

^{*} Upholstery sets are warranted 1 year from manufacturing defaults.



EU Declaration of Conformity

We,

Promotal

22 rue de Saint Denis de Gastines 53500 Ernée – France SRN: FR-MF-000001666

declare, under our sole responsibility, that the following electrical medical device:

Commercial name: eMotio 4050-20 / eMotio+ 4055-20

Description: Electric Examination Table Basic UDI-DI: 37014094EMOTIOFM

is a Class I medical device,

complies with the requirements of **Regulation (EU) 2017/745** of the European Parliament and of the Council of 5 April 2017,

complies with the following European directives:

- Directive 2011/65/EU (RoHS 2) of the European Parliament and of the Council of 8 June 2011
- Delegated Directive (EU) 2015/863 of the Commission of 31 March 2015
- Directive (EU) 2017/2102 of the European Parliament and of the Council of 15 November 2017

meets the applicable European standards,

bears, as such, the CE marking.

Year that the CE (Medical Devices) marking was initially affixed: 2014

Signed in Ernée, On 26 May 2021

Rudolf MOURADIAN Chairman

 Promotal

 22 rue de Saint-Denis de Gastines, 53500 Ernée, France

 Tel.: +33 (0)2 43 05 17 76

 Fax: +33 (0)2 43 05 72 00





PROMOTAL - FRANCE www.promotal.com DIC4050-20_2121EN

