INSTRUCTION MANUAL

7A10708900A3

Multiple Medical Recliner PA-8200 Series



Preface

Thank you for purchasing the PA-8200 Series Recliner.

This instruction manual describes precautions and how to safely use and operate the recliner.

- Before using this recliner, please read this instruction manual to fully understand the safe and proper operating procedures.
- The correct operating procedures should be explained not only to the persons using the recliner but also to caregivers.
- After reading this instruction manual, store it where it can be easily accessed for later reference.
- The actual product purchased may differ from detailed descriptions given in this instruction manual due to product improvements.
- ●Users and/or carers are requested to report information about any serious incident related to this recliner that occurs within the EU to the manufacturer and the regulating authority of the member country of residence. 'Serious incident' means any incident that directly or indirectly led, might have led or might lead to any the following:
 - a) The death of a user, carer or other person.
 - b) The temporary or permanent serious deterioration of a user's, carer's or other person's state of health.
 - c) A serious public health threat.
- Values in the specification such as working range, dimensions, angles and mass are subject to normal manufacturing tolerances. Besides some exemptions, display purpose words such as "approximately", "about" etc. are omitted.
- For any queries, please feel free to directly contact Paramount Bed or your distributor.

PARAMOUNT BED CO., LTD

CONTENTS

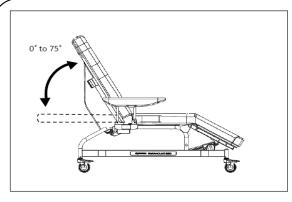
	Page
1 INTENDED USE AND FEATURES	_
1. Intended use	_
2. Frenquently used functions	2
2 PART NAMES	··· 3
3 SAFETY PRECAUTIONS	4-11
4 INSTALLATION	··· 12
5 CONNECTING TO THE POWER SUPPLY	··· 13
6 USING THE RECLINER	··· 14
1. Armrest	··· 14
2. Getting on or off the recliner	15
3. Handheld controller	16
4. Moving the recliner	17
5. Emergency back-lowering	··· 18
6. USB Port	··· 19
7 SUITABLE PRODUCTS TABLE	···· 20
1. Suitable products table	20
2. IV Pole (KC-56 A/B, EC-562), IV Pole support (PC-5103)	21
3. Foot rest (PC-5102)	22
4. Pillow (PE-8201)	23
5. Roll sheets holder (PC-5104)	23
6. Table (PF-8250)	24
8 BEDSIDE TABLE	25
9 PRODUCT SYMBOL DEFINITIONS	·· 26
10 REGULAR INSPECTION AND DAILY MAINTENANCE	27-28
11 TROUBLESHOOTING	··· 29
12 LONG-TERM STORAGE	··· 30
13 SPECIFICATIONS	··· 31-36
14 AFTER-SALES SERVICE	··· 37

1 INTENDED USE AND FEATURES

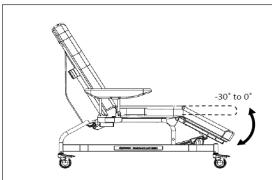
1. Intended use

- The Multiple Medical Recliner is designed to be used in the treatment of dialysis patients and in the drawing of blood samples from patients at medical institutions.
- *Please refer to the SPECIFICATION for the patient target groups, the intended users, and the clinical benefits.

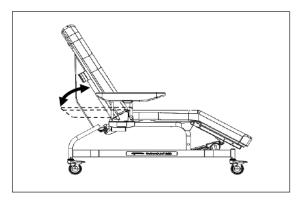
2. Frenquently used functions



- Adjusting the backrest angle p.10
 - The backrest angle can be adjusted by the handheld controller, and the patient can be positioned in comfortable position which is not difficult or detrimental to the human body.
 - * The backrest can move from an angle of 0° to 75°.



- Adjusting the legrest angle p.16
 - The legrest angle can be adjusted by the handheld controller, and the patient can be positioned in a comfortable position which is not difficult or detrimental to the human body.
 - * The leg rest can move from an angle of -30° to 0° .



- - The armrest can be lowered, which enables the patient to easily be transferred from the wheelchair.

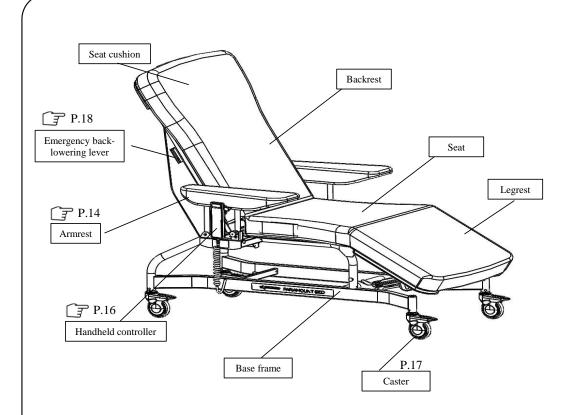
[Other function]

- ●Backrest and leg rest auto contour operation p.16

 The angle of the backrest and leg rest can be operated at the same time by the handheld controller, and the patient can thus adjust his/her position more quickly.
- ●Emergency back-lowering function p.18

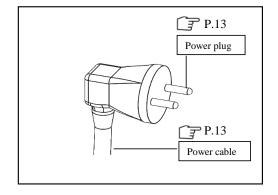
 The backrest can be lowered rapidly in case of fainting due to anemia or a similar condition and other emergency conditions, or a power failure.

2 PART NAMES



Applied part

* Part of ME EQUIPMENT that in normal use necessary comes into physical contact with patient for ME EQUIPMENT to perform its function.





3 SAFETY PRECAUTIONS

■ Be sure to read these safety precautions beforehand to ensure proper usage.

● The safety precautions described here are intended to ensure safe use of the product and prevent personal injury and property damage. Precautions are classified as "WARNING", "PROHIBITED" and "CAUTION" to indicate the degree of hazard or injury that may result from improper use.

These are important safety precautions that must be strictly observed.

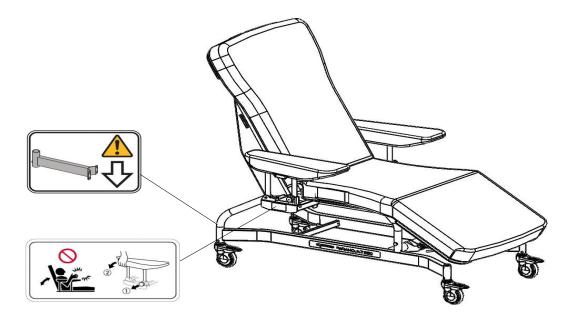
<u>∧</u>WARNING	Indicates actions that may result in death or serious injury (broken bones, pressure or paralysis) if the indication is ignored.	
⊘PROHIBITED	Indicates prohibited actions.	
CAUTION Indicates actions that may result in light personal injury (bruises, wou cuts) or property damage if the indication is ignored.		

Among items described in SAFETY PRECAUTIONS, are especially important because ignoring them could result in serious life-threatening accidents. Be sure to read these notes and use the product safely and properly. Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.

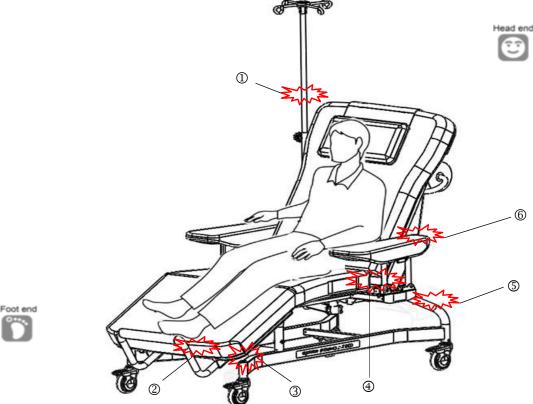
*After reading this instruction manual, store it in a place that can be easily accessed for later reference.

[Safety label]

- Precautions requiring special attention by persons using the recliner are affixed as pictured in the figure.
- If the safety label is removed or defaced, replace it with a new one obtained from Paramount Bed or your distributor.



- Be careful not to allow any part of the body (especially the head or neck) to slip into the gaps between the moving parts shown below.
 - ■When the head or neck enters the gap, the patient might not be able to withdraw, and there is a risk of injury. Be especially careful to check patients who might act in unexpected ways or cannot maintain their posture independently.



- ① Gap between backrest and IV pole when raising or lowering the backrest.
- ② Gap between footrest and leg rest.
- ③ Gap between leg rest and the floor. When lowering the leg rest.

- ④ Gap between armrest and mattress. When lowering the armrest.
- ⑤ Gap between armrest and base frame. When lowering the backrest while armrest is in the raised position
- ⑤ Gap between backrest and armrest. When flipping the armrest up.

- Be careful not to slide off the recliner onto the floor due to fainting because of anemia or a similar condition.
 - The patient's head or neck could get caught in the armrest or IV Pole, or the patient could fall off the recliner, resulting in injury.
- For suitable product directly attached to the recliner such as the IV Pole attachment, or foot rest, use only products approved by Paramount Bed.
 - The use of products other than the specified suitable products or products from other companies could create unintended gaps, cause interference between products, or lower stability, resulting in injury or failure of the recliner.

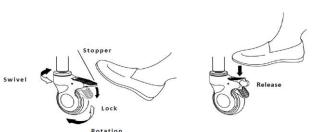
■ Raise the backrest, and then get on or off the recliner from its side with the armrests lower.



- If the patient gets on or off from the leg rest side, patient may lose balance and topple over, or may fall off the recliner and get hurt.
- If the patient gets on or off the recliner from the back side with the backrest lowered, patient may topple over or fall off the recliner and get hurt. These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged or deformed.
- If the patient gets on or off with the armrests raised, the armrests could unexpectedly move, and the patient's body may lose its balance, causing him/her to topple over or fall off and get hurt.
- **■** Do not sit on the armrest, lean against it.



- If a person places body weight on the armrest, the person could fall off or topple over the recliner, resulting in injury or the armrest could be damaged.
- The armrests may operate unexpectedly, causing the patient to topple over or fall off and get hurt.
- Lock all four casters at all times except when moving the recliner.

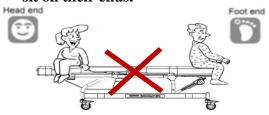


- The recliner could move when a patient gets into or out of the recliner, possibly causing injury.
- **■** Take care not to fall off the recliner.
 - Otherwise, the patient may get injured.
 - Be particularly cautious when using the recliner in the horizontal state (as a bed).
- **■** Do not lean over to the recliner.



● There is a risk of injury due to the recliner falling over, or damage to the recliner.

■ When the backrest or leg rest are in the horizontal position, do not rest hands on or sit on their ends.



- Otherwise, the patient could fall off or falling down, resulting in injury.
- These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged.

■ Do not stand on the recliner.



- There is a risk of injury caused by falling off the recliner or falling down.
- ◆These actions may lower the product stability and the recliner could fall off, resulting in injury or the recliner could be damaged.
- **■** Do not swing from, lean on, or hang items on the pillow, belt, or weight.



● The instability may cause the patient to fall down. There is a risk of damage to the pillow.

■ When operating the recliner, take note of surrounding people or objects, as well as the lines connected to the patient.



- ●Crawling under the recliner, or putting the head, hands, or legs under it could cause them to get caught in the gaps between the moving parts of the recliner (such as the base frame and backrest, etc.), resulting in injury.
- Sitting on the recliner with legs hanging on the base frame could cause them to get caught, resulting in injury.
- Lines could be pulled or pinched by the recliner, causing injury to the user or the lines or devices could be damaged.
- ●The recliner operations may damage surrounding objects, or may cause the recliner to be damaged or deformed.

■ Do not perform any angle adjustment when the patient is lying face down or on their side (in any posture other than lying face up).



- There is a risk of injury caused by extending the joints backward.
- Do not allow the recliner to be operated by a child aged 12 or under, or someone deemed incapable of comprehending the operation of the recliner.
 - If a child aged 12 or under, or someone deemed incapable of comprehending the operation (such as persons with dementia) operates the handheld controller panel by themselves, there is a risk of unexpected injury such as the body getting caught in the recliner by accident. If such person can come into contact with the handheld controller, limit the operation by unplugging the power plug in order to prevent accidents caused by incorrect operation.
- When performing manual emergency back-lowering, use one hand to operate the emergency back-lowering lever, and use the other hand to support the backrest.
 - Depending on the weight of the patient sitting in the recliner, and on the angle of the backrest, the backrest may drop suddenly and there is a risk of injury.
 - * Depending on the patient's weight or the angle of the backrest, pulling the lever may not be enough to get the backrest to lower. In this case, use the other hand to push down on the backrest.
- **■** Do not damage cables (such as the power cable).
 - Damage to the cables may cause electric shock or fire.
 - Be careful not to allow cables to get caught in the movable parts of the recliner.
 - Be careful not to place heavy objects on cables or apply excessive force to them.
 - Do not run over cables with the recliner.
 - Request repair (or replacement) of damaged cables.
- Do not trip over the power cable or handheld controller cable.
 - Damage to the power plug or cables may cause electric shock or fire.
 - There is a risk of injury caused by falling over.
- **■** Do not run cables (such as the power cable) of the recliner or other electrical appliances under the recliner.
 - The cables may get caught in casters or movable parts and be damaged, resulting in electric shock or fire.
- **■** Disconnect the power plug when using electronic medical equipment.
 - Using the recliner in conjunction with electronic medical equipment (e.g. microwave or ultrashortwave medical equipment) could cause operational failure or malfunction.
 - Check for safety before using the recliner in conjunction with other medical equipment.
- Always unplug the power plug before cleaning.
 - There is a risk of injury if the recliner unexpectedly moves due to accidental operation.
- When disconnecting the power plug, hold the power plug body.
 - If only the power cable is held when pulling to disconnect the plug from the outlet, the cable may be damaged and an electric shock or fire may occur.

■ Do not apply excessive force to the power plug.

- Damage to the power plug may cause electric shock or fire.
- Do not allow dust to accumulate on the power plug.



- Dust on the power plug can absorb moisture and conduct electricity, causing a short circuit and possibly resulting in electric shock or fire.
- Wipe away any dust accumulating on the surface of the power plug using a dry cloth.
- **■** Do not insert or remove the power plug with wet hands.



● There is a risk of electric shock or product failure due to a short circuit.

■Do not spill liquids on the product.

● Do not spill liquids on the recliner's electrical parts, such as the motors or handheld controller. This could cause an electric shock due to a short circuit or product failure.

■ Disconnect the power plug when moving the recliner.

• Damage to the power plug or cables may cause electric shock or fire.

When moving the recliner with the IV Pole attachment mounted, watch your step.

• Your leg may bump into the IV Pole attachment hole or your foot may get caught, resulting in injury.

■ Inspect the recliner regularly.

● The product will exhibit wear and deterioration depending on the frequency of use and the environment. Regularly inspect for the operation of moving parts, and the presence of damage (see p. 26). The use sofa recliner in worn/deteriorated condition may result in unexpected injury.

■ Do not attempt to repair or modify the product yourself.

● This may create unintended gaps or may cause abnormal operation, possibly causing injury.

■ Request inspection and repair of damaged recliners.

● If recliners are damaged in earthquakes, fires, or floods or other incidents, direct requests for contact Paramount Bed or your distributor. Otherwise, there is a risk of electric shock or fire due to short circuit or current leakage from electrical parts, or injury due to malfunctioning caused by deformation of the recliner.

■ Do not apply more than the safe working load on the recliner

● The recliner could be damaged, possibly causing injury. The safe working load of this recliner is 2000N (204kgf). The safe working load is the maximum load with which the recliner can be operated safely and is the total load of the user's weight and incidental items including options.

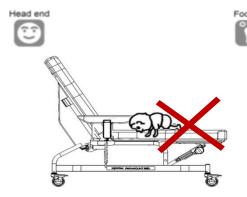
■ The recliner should not be used by two or more persons.



- This recliner is designed for use by one person. When used by two or more persons, the recliner could be damaged, possibly causing injury. The maximum user weight allowed on the recliner is 138kg.
- Use the recliner according to the patient's medical condition.
 - The recliner operations may adversely affect the medical conditions of patients with specific symptoms. Before the patient operates the recliner, make sure that the physicians or nurses explain details given in the instruction manual and proper usage to suit the patient's medical condition.
- Keep away from heat or fire.
 - Do not use thermal appliances such as heaters near the recliner. Doing so could cause deterioration, deformation, and fire.

OPROHIBITED

■ Do not use the recliner for infants or children.

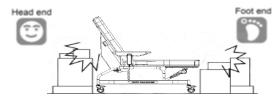


● This product is not designed for infants or small children. The patient could get caught in the gap between the armrest and other parts, or could fall off the recliner, resulting in injury.

- Do not use the recliner in an environment where combustible anesthetic gases and high-concentration oxygen may be present.
 - There is a risk of explosion or fire.

ACAUTION

■ Check around the recliner before moving the recliner.



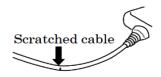
● If the recliner hits surrounding objects, the objects or the recliner may be damaged.

■ Take care when handling electrical parts such as the handheld controller.

- If care is not taken it could cause the recliner to malfunction, resulting in injury or recliner failure. In addition, there is a risk of electric shock or fire due to a short circuit.
- Do not bump or damage the handheld controller.
- Do not drop the handheld controller or forcefully pull the cable.
- Request repair (or replacement) of electrical parts such as the handheld controller if they are damaged.





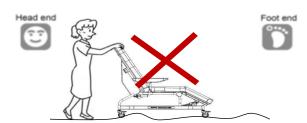


■ Do not move the recliner with any objects placed on it.



● The objects may fall, resulting in injury, or could be damaged.

■ Avoid transporting the recliner over uneven floors.



- ◆Doing so could cause damage, deformation, or malfunctioning of the recliner. If moving on uneven floor is necessary, move the recliner as slow as possible.
- **■** Do not open the seat or armrest.
 - It could cause deterioration of the urethane.
- **■** Do not hold the belt for storing the handheld controller to operate the armrest.
 - The belt for storing the handheld controller may get damaged.
- Do not hang objects other than the handheld controller on the belt for storing the handheld controller.
 - The belt for storing the handheld controller may get damaged.
- When adjusting the pillow height, do not forcefully pull the pillow.
 - The belt could be damaged, resulting in the pillow to come off. In addition, the weight could hit your hands or other body parts, resulting in injury.

■ To avoid possible malfunctions, do not install the recliner in the following locations.

- Locations expose to direct sunlight
- •Locations near heat sources such as a stove or heater
- Location which is heavily electrically charged such as near an MRI.
- •Location that has a high oxygen level
- Locations exposed to excessive amounts of water vapor or oil vapor
- Location that tend to be exposed to high temperatures, high humidity, low temperatures or dry conditions
 - *The optimum ambient conditions for the recliner are as follows.

Temperature 5°C to 45°C / Humidity 20%RH to 90%RH / Atmospheric pressure 700hPa to 1060hPa.

- Locations with large amount of dust, smoke, salt, sulfur, or corrosive substances
- Locations with poor ventilation
- Locations exposed to vibrations or shocks (including during transportaion)
- •Locations where the floor is not strong enough
- •Locations where the floor is not level

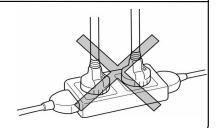
ACAUTION

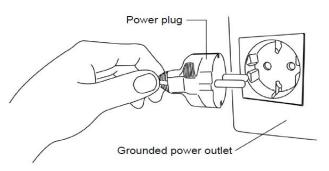
• Place the recliner in a location where the recliner does not hit the wall or beam when you perform backrest-raising/lowering operation or leg rest raising/lowering operation. The recliner or wall/beam may be damaged or deformed.

5 CONNECTING TO THE POWER SUPPLY

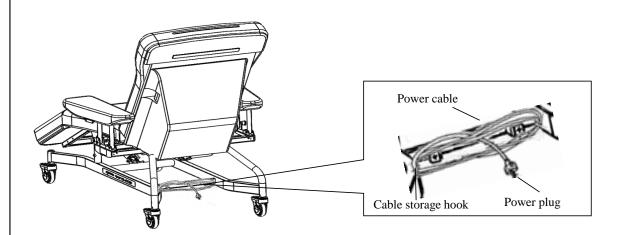
_MARNING

- Do not connect multiple cables to a single power outlet. if other electrical equipment is plugged into a power outlet or an extension cable and its rated capacity is exceeded, it could cause the cable or plug to overheat, resulting in fire.
- Make sure the plug is easily accessible so it can be disconnected quickly in an emergency.





● Each recliner should be plugged into a separate, appropriately wired, groundedpower outlet and the power plug must be properly inserted into the outlet.



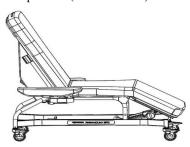
1. Armrest

- In the chair position, the armrest is used to rest elbows and upper limbs.
- **■** The patient can lower the armrest to flat position when getting on or off the recliner.
- The patient can also use the armrest as side-guard at flat position.

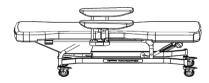
Chair position (Armrest up)



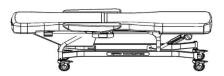
Chair position (Armrest down)



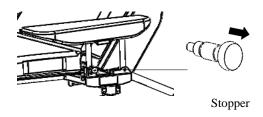
Flat position (Armrest up)



Flat position (Armrest down)



[Lowering the armrest]



① Pull the stopper.

2 Grab the upper part of armrest and lower slowly.

[Raising the armrest]

① Grab the upper part of armrest and raise slowly.

The armrest is locked automatically when getting to vertical position.

MARNING

- Be careful finger not to be trapped when opearate the armrest. Do not put anything between armrest and keep hand away from armrest.
- When lowering the armrest, proceed slowly. Releasing the hands in the middle of the operation or slamming the armrest down could cause injury or damage to the armrest.

6 USING THE RECLINER

2. Getting on or off the recliner



① Before getting on or off, move the recliner as shown in the figure on the left.



Lower the leg rest

② Lower the armrest and get on or off from this side.



③ Attach again stopper to lock the armrest.

MARNING

- If the patient gets on or off from the leg rest side, patient may lose balance and topple over, or may fall off the recliner and get hurt.
- ■Be careful finger not to be trapped when opearate the armrest. Do not put anything between armrest and keep hand away from armrest.
- When lowering the armrest, proceed slowly. Releasing the hands in the middle of the operation or slamming the armrest down could cause injury or damage to the armrest.

3. Handheld controller

MARNING

- Do not allow the recliner to be operated by a child aged 12 or under, or someone deemed incapable of comprehending the operation of the recliner. If a child aged 12 or under, or someone deemed incapable of comprehending the operation (such as persons with dementia) operates the handheld controller by themselves, there is a risk of unexpected injury such as the body getting caught in the recliner by accident. If such person can come into contact with the handheld controller, unplug the power plug.
- The angle of the back section base, the angle of the knee section base and the recliner height can be smoothly adjusted with no increments by using the handheld controller. Pressing the button adjust the recliner, and releasing the button stops adjustment, allowing you to adjust the recliner to the desired position. Press the [↑] to raise the desired section and press [↓] button to lower the desired.



[Storing the handheld controller]

Auto contour button

The back and leg rest angle can be adjusted simultaneously.

Back raise adjustment buttons

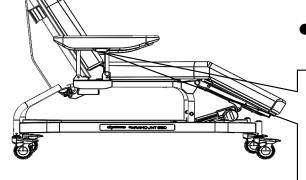
The angle of the back rest can be adjusted.

Leg raise adjustment buttons

The angle of the Leg rest can be adjusted.

ACAUTION

- Do not hold the belt for storing the handheld controller to operate the armrest. The belt for storing the handheld controller may get damaged.
- Do not hang objects other than the handheld controller on the belt for storing the handheld controller. The belt for storing the handheld controller may get damaged.
- The belts for storing the handheld controller are located on the left and right sides of the recliner. Use the belt on the side that is most convenient.



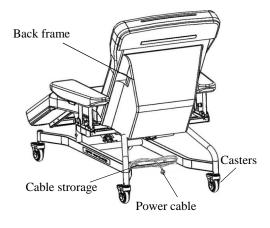
4. Moving the recliner

/ WARNING

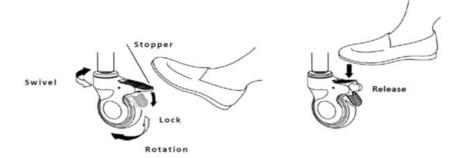
- •Lock all four casters at all times except when moving the recliner. The recliner could move when a patient gets into or out of the recliner, possibly causing injury.
- Raise the armrest. There is a risk of injury caused patient fall off from the recliner.

ACAUTION

- Do not forcibly move the recliner when casters are locked. Doing so could damage the casters or casters could scratch the floor.
- Avoid transporting the recliner over uneven floors. Doing so could cause damage, deformation, or malfunctioning of the recliner. If moving on uneven floor is necessary, move the recliner as slow as possible.
- Do not move the recliner with any objects placed on it. The objects may fall, resulting in injury, or could be damaged.
- Pay attention the patient's body and surrounding objects. There is a risk of injury caused by the person falling off the recliner when moving the recliner.



- ① Before moving the recliner, operate the recliner as described below.
 - Backrest: Raise to the highest position Leg rest: Lower to the lowest position.
- ② Unplug the power plug.
 - *Remove the IV Pole, if attached.
 - *Although you can move the recliner with the IV Pole attachment hole, foot rest still attached, take particular caution to avoid hitting the surrounding objects.
- 3 Raise the armrest.
- 4 Move the pedal of the casters upward to unlock the casters, and make sure that the casters rotate or swivel smoothly. (four locations)
- (5) Hold the back frame inside the backrest and slowly move the recliner.
- 6 Move the pedal of the casters downward to lock the casters, and make sure that the casters do not rotate or swivel.





• Inspect the caster regularly. Depending on the frequency of use and the environment, caster will exhibit wear and deterioration. (High-temperature and high-humidity condition may accelerate the deterioration.)

5. Emergency back-lowering function

MARNING

• When performing the emergency back-lowering operation, take care to prevent body parts from getting caught. When the body parts get caught, there is a risk of injury. In particular, before performing the operation, check that nothing is caught in behind the backrest.

■ Manual emergency back-lowering function

• Use the emergency back-lowering lever to lower the backrest rapidly in case of emergency, such as the patient fainting due to anemia or a similar condition or a power failure. There are levers on both sides of the backrest, enabling lever operation from either the left or right side.

MARNING

• When performing manual emergency back-lowering, use one hand to operate the emergency back-lowering lever, and use the other hand to support the backrest. Depending on the weight of the patient sitting in the recliner, and on the angle of the backrest, the backrest may drop suddenly, which could cause the patient to become injured.

ACAUTION

During manual emergency back-lowering operation, do not operate the handheld controller. Doing so could damage the motor.

■ Operation procedure





① Use one hand to pull the emergency back-lowering lever, and use the other hand to support the backrest.



- Depending on the patient's weight or the angle of the backrest, pulling the lever may not be enough to get the backrest to lower. In this case, use the other hand to push down on the backrest.
- ② Continue pulling the lever until the backrest has come down to the suitable position. If you release the lever halfway through, the back-lowering operation is stopped.

The backrest can be lowered to a maximum of 8° (Trendelenburg position).

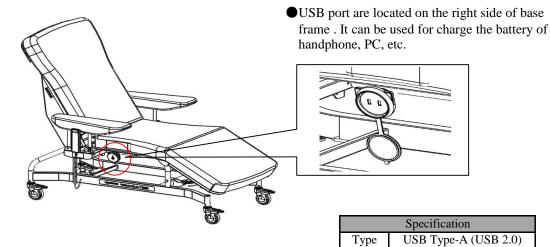


● This lever can only be used to lower the backrest. To raise the backrest, use the handheld controller.

- Unplug the power plug from the outlet immediately if there is a smoke or a strange smell or sound. If still use it, may cause a short circuit, fire or electric shock. Please contact our support center or distributor that you purchased the product.
- Do not touch this product wit wet hand. It may cause electric shock or malfunction.
- Do not apply liquids to this product or put foreign objects inside. If liquid or foreign object entered the inside, please turn off unplug power plug from outlet. If still use it, it may cause a short circuit, fire or electric shock. For any queries, please feel free to directly contact Paramount Bed or your distributor.

ACAUTION

- Always follow warning and caution instructions that specified by when installing and using this product.
- Arrange the equipment so that small children hands can not reach the inside of electric appliances, cables and connectors. There is a danger of injury because of touching.
- When small children use electric products, please do it under adult supervision and guidance who understood the handling method of this product.
- Please remove the dirt of this product with a dry, clean cloth. If it gets dirty, please wipe it with a clean cloth.



Output

5V, 2A



1. Suitable products table

MARNING

- Use suitable product after confirming that the combination of suitable product is correct. Using the recliner with the wrong combination of suitable product could result in injury or could damage the products. The part number of each suitable product is written on the safety label and on the carton box.
- Do not use suitable product other than those specified in this instruction manual. This may create unintended gaps or may damage or deform the product, resulting in injury.



• When suitable products may be changed due to specification changes or combinations. In addition, some suitable products may not be listed in the table due to new release or discontinuation of sales. For any queries on suitable products, contact Paramount Bed (see p.37) or your distributor.

Suitable product *1)*2)	Model No. *1)	Reference page
IV pole	KC-56A, KC-56B, EC-562	21
IV pole support	PC-5103	21
Foot rest	PC-5102	22
Pillow	PE-8201	23
Roll sheets holder	PC-5104	23
Table	PF-8250	24

^{*1)} These products may not be available in some countries or regions. For details, contact Paramount bed (see p.37) or your distributor.

^{*2)} In some countries or regions, some of the medical device or its accessories fall under the category of medical devices. For details, contact Paramount Bed (see p.37) or your distributor.

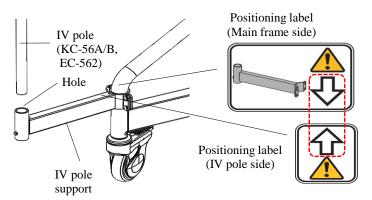
2. IV pole (KC-56A/B, EC-562), IV pole support (PC-5103)

This IV pole is designed to be attached to the medical device when giving an intravenous drip to a patient. This IV pole support is intended to be attached to the medical device to use an IV pole.

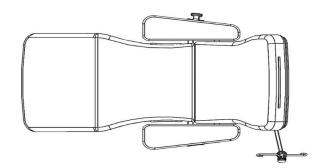
∕MARNING

- Do not move the recliner with holding the IV pole. The IV pole may break, resulting in an injury.
- Do not use the IV pole as a support to stand up. The IV pole may come off or break, causing an injury due to falling down.
- When using the IV pole, do not put a hand or arm between the mattress and the IV pole. The hand or arm may get caught and get injured.
- Each hook's load capacity is 1 kg. Do not hang an article exceeding the load capacity because it may damage the hook, resulting in an injury.
- Length adjustment of the sliding pipe should be kept within 70cm. If the sliding pipe is pulled out too much, it may come off, resulting in an injury or damage.
- Attach IV pole in correct positon. IV pole may causing an injury due to falling down.

■ The IV Pole is a support for intravenous drip. To use the IV Pole, first attach the IV pole support and then insert the IV Pole.



●Install the IV pole support at the position where the arrows are facing each other.





7 SUITABLE PRODUCTS TABLE

3. Foot rest (PC-5102)

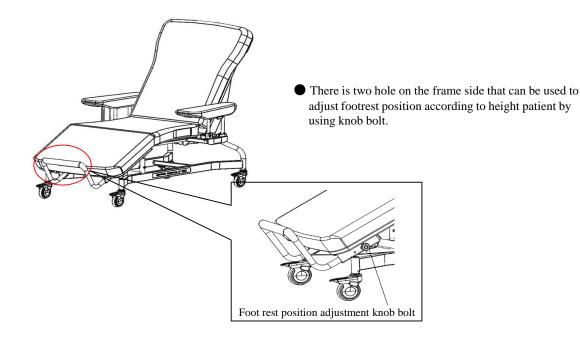
This foot rest is designed to support a patient posture.

MARNING



- Be careful not to allow the foot to enter the gap between the footrest and the leg rest. When the foot enters the gap, the patient might not be able to withdraw, and there is a risk of injury.
- Do not step on the foot rest and get on or off the recliner. Foot rest may be damaged and resulting injury.

■ The foot rest position can be adjusted to correct shifts in body position or to relieve pressure on the back of the femoral region.



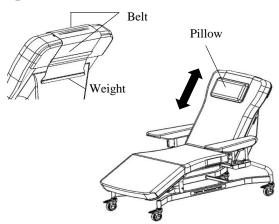


4. Pillow (PE-8201)

This pillow is intended to support the patient's head.

MARNING

- Do not swing from, lean on, or hang items on the pillow, belt, or weight. The instability may cause the patient to fall down. There is a risk of damage to the pillow.
- The pillow position can be adjusted by moving it up or down according to the physique of the user.



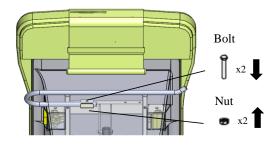
■ To make easier for the patient to adjust the position of the pillow with one hand, a free-stop pillow with a weight for balancing is used, and the pillow is attached by a belt carrying the weight that is wrapped around the front and back of the backrest.

5. Roll sheets holder (PC-5104)

This roll sheets holder is intended to be attached to the recliner to use roll sheets.

MARNING

● Make sure that roll sheet holder pipe, nut and bolt has tighten firmly. If it loose, pipe may fall down, hit the foot and causing injury.



Roll sheets
Ø150

580 mm or less After installing

Before installing



• Roll sheets is commercial product (not include)

6. Table (PF-8250)

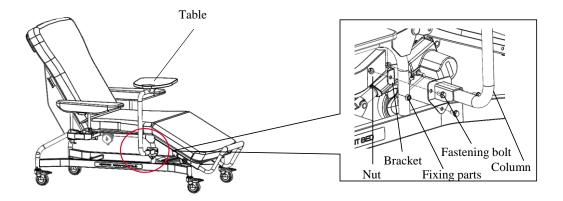
This table is used for doing light activities on the recliner.

MARNING

- Please be careful with the table when operating the legrest and armrest of the recliner. The part of body may get caught in gap between legrest and armrest, resulting in injury.
- Rotate the table away from the body when raising the backrest of recliner. Head or neck may get caught between the backrest and the table.
- Do not get on or off from the side of table. There is a risk of fall and injury due to pinched in the side of table.
- Do not use table as a support or held on to the table. It may unexpectedly rotate and fall, causing injury, it could be damaged or deformed.
- Make sure the table is securely fixed before use. If it is not fixed properly, it may become unstable, fall and causing injury.

ACAUTION

- Do not put anything exceeding 10kg on the table. It could be damaged or deformed.
- Keep away from heat or fire. Do not use thermal appliances heaters near the table. This may cause damage, deformation or catch fire.
- Do not spill liquids such as drinks on the table or leave anything that contains water. This may cause discoloration, deterioration, and deformation. Wipe off and clean up as soon as get wet.

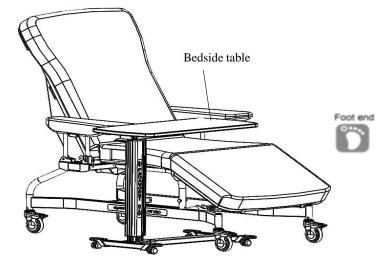




- Remove the table from recliner when performing positioning operations of the recliner.

 Otherwise, the patient may get caught between the table and recliner, and may get injured.
- ●Do not use side table other than those specified in this instruction manual. This may create unintended gaps or may damage or deform the product, resulting in injury.





COMPATIBILITY LIST

Bedside Table
PF-282A, PF-3100A
PF-3110A, PF-3120A
PF-3130A



The description in this instruction manual may differ from the actual product due to specification changes.

9 PRODUCT SYMBOL DEFINITIONS

\blacksquare The symbols below are used for the product.

Symbol	Description
	●Indoor use symbol
Z	●Electrical waste
i	• See the instruction manual
†	● Type B applied part ● Applied parts are considered to be: Upper frame section, Controllers, Side-rails, Headboard and Footboard.
\langle	●AC input
	●Protective ground terminal
EC REP	● Authorized representative in the European community
SN	● Serial number
#	● Model number
MD	●Medical device (This product is a medical device or an accessory for medical device in Europe, and may be such a device in some countries and regions depending on their regulations. An accessory for medical device is required to be labeled as "Medical Device" under medical device regulations in Europe).
UDI	This a 2D code (GS1 Data Matrix) that encodes the UDI (Unique Device Identifier) required by the Unique Device Identification System designed to adequately identify device through distribution and use

distribution and use.

Symbol	Description
LOT	●Lot number
((●CE mark
<u>^</u>	●Safe working load
	●Maximum patient weight
<u>.</u>	●Product weight
+ 🚉	Sum of the product weight and safe working load.
	● Take care to prevent hands from getting caught in the armrest
	●Install the IV pole attachment hole at the position where the arrows are facing each other.
***	Country of manufacture *It may be called "Legal Manufacturer" or "Brand Owner" etc. *This symbol is not applicable in the country origin.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	●Country of manufacture (made in Indonesia) ●Manufacturing site *In the country of origin, the site acts as the manufacturer. ●Date of manufacture (YYYY-MM-DD)
+ 146 cm BMI≥17	●The medical bed for adults

10 REGULAR INSPECTION AND DAILY MAINTENANCE

For safety in use, inspect the product regularly, at least once a year. The product exhibits wear and deterioration according to the frequency and conditions of use. Inspect for loose parts, the operation of moving parts on the recliner, and the presence of damage regularly. When an irregularity has been noticed or when a detailed inspection is desired, contact Paramount Bed or your distributor.

	Operation details	Inspection items
	Backrest-raising/lowering operation (See p.16) Leg rest-raising/lowering operation	Proper operation can be achieved.
Recliner unit	(See p.16) Backrest and leg rest auto contour operation (See p.16)	There must not be any strange noises.
	No. 11	There must not be any peeling of labels, and the text must be legible.
	Miscellaneous	There must not be any scratches and deformation at the backrest, leg rest, or any other parts.
	Movement	There must not be any strange noises when moving There must not be any strange vibrations when moving
Caster	Caster locking operation (See p. 17)	Proper operation can be achieved. The operation must not be overly difficult. The recliner must not move easily when the casters are locked. The recliner must move smoothly when the lock is released.
Armrest operation (See p. 14)		Proper operation can be achieved. There must not be any strange noises or remarkable rattling. The operation must not be overly difficult.
Electrical parts Visual check of electrical parts		Cables must not get tangled in the recliner. The plug and the cable must have no scratches or damage. Make sure dirt is not adhering to the plug. There must not be any scratches and damage on the handheld controller. Make sure the POWER lamp on the handheld controller is lit up in green.

10 REGULAR INSPECTION AND DAILY MAINTENANCE

■ Lubrication (if there is abnormal noise)

● Lubrication is needed if there is abnormal noise. Please feel free to contact Paramount Bed or your distributor to be lubricated.



The water adhesion to the recliner, or moisture may cause corrosion, abnormal noise or contamination. If water adhere to the recliner, wipe off immediately.

How to clean

● To clean the recliner, use a cloth that has been soaked in diluted detergent and wrung out well, then wipe off any residual detergent with a cloth soaked in water and wrung out well. Finally, use a dry cloth to wipe the recliner to ensure it is dry.

MARNING

- To prevent accidents caused by incorrect operation, always unplug the power plug from the outlet before cleaning.
- •Do not splash water to clean the recliner. There is a risk of electric shock due to a short circuit.
- Always dilute any detergents used as specified below.
 - 76.9% 81.4% ethanol for disinfection
 - 0.05% 0.2% benzalkonium chloride (e.g. Osvan)
 - 0.05% 0.2% benzethonium chloride (e.g. Hiamine)
 - 0.05% chlorhexidine gluconate (e.g. Hibitane)
 - 0.02% 1.0% sodium hypochlorite (e.g. Milton)

ACAUTION

● Do not use volatile cleaning fluids (such as paint thinner, benzene or gasoline) and cresol. Discoloration or deterioration could result.









• The product cannot be used with an ozone sterilizer or an autoclave sterilizer, etc.

11 TROUBLESHOOTING

- Problems may not always indicate faults. Check the following once again before requesting repair.
- If the problem persists after taking corrective actions, stop using the recliner immediately, disconnect the power plug from the outlet, and contact Paramount Bed or your distributor for repair.
- The recliner damaged in earthquakes, fires, floods or other incidents must be inspected and repaired by Paramount Bed or your distributor. Otherwise, there is a risk of electric shock or fire due to short circuit or current leakage from electrical parts, of injury due to malfunctioning caused by deformation of the recliner.

Problem	Check	Corrective action	Refer- ence page
	● Check if the power plug is plugged into the outlet.	●Plug the power plug into the outlet.	13
The recliner does not move even when the handheld controller buttons are pressed.	• The power plug is plugged into the outlet but the recliner still does not move.	 Unplug the power plug from the outlet and plug it in again. Plug another electrical device into the outlet to check that power is available. 	13
	● Check if the power plug is plugged into the outlet.	●Plug the power plug into the outlet.	13
● The POWER Lamp on the handheld controller is OFF.	● The power plug is plugged into the outlet but the POWER lamp on the handheld controller is OFF.	 Unplug the power plug from the outlet and plug it in again. Plug another electrical device into the outlet to check that power is available. 	_
● The recliner cannot be positioned correctly. Check if there is nothing in the moving parts on the recliner.		● Remove any obstacles.	_
The recliner cannot be moved.	● Check if the casters are locked.	• Unlock the caster.	17

• When requesting repairs or contacting Paramount Bed or your distributor, please provide the number on the product ID label.

■Product ID label location



■Product lifetime

The lifetime of this equipment is typically eight (8) years. Lifetime is defined as the period during which the product will maintain the specified performance and safety, provided it has been maintained and operated in conditions of normal use in accordance with the requirements in this instruction manual.

12 LONG-TERM STORAGE

■ The following precautions should be noted when the recliner is not in use for extended periods of time.

- 1. Do not place any object on the recliner.
- 2. Remove all suitable product that were installed in recliner.
- 3. Do not place location that tend to be exposed to high temperatures, high humidity, low temperatures, dry or dusty conditions.
 - Store at a temperature between -10°C and 50°C, humidity between 20%RH and 90%RH, and atmospheric pressure between 700hPa and 1060hPa.
- 4. Store the recliner on a flat surface with all casters in the locked position.
- 5. Unplug the power plug from the power outlet and wind the power cable onto the cable storage hook. (See p.13)



●Inspect the product regularly at least once a year, even if it is during storage.

Recliner disposal

When the PA-8200 series recliner has reached the end of its usable life, discard it according to local standards.

13 SPECIFICATIONS

*Subject to normal manufacturing tolerances

Family Name		PA-8200 Series			
Product Name		Multiple Medical Recliner			
Model No.		PA-8200	PA-8210	PA-8211	PA-8212
Qu	antity of motors		2 Me	otors	
0	Auto contour	Motorized			
Operation Procedure	Back raise	Motorized			
110000	Leg raise		Moto	orized	
Power supp	oly voltage / frequency		100-240VAC	/ 50-60Hz	
	Total length	1480mm (When	n flat 1.900mm)	1589n	nm (*1)
	Total width	980	mm	1035m	nm (*2)
us	Total height (*3)		1370[<u>+</u>	10]mm	
ısioı	Seat width	M	inimum width: 550mm/	Maximum width: 720n	nm
Dimensions	Height from floor to center of the seat	570mm			
	Casters	100mm dia. casters with stopper			
	Power cable length	Effective length: 4000mm			
Product weight		53	kg	68kg	66kg
USB port		-		•	
	Accessories	Optional Included (*4)			
	Mattress base	Particle board with melamine			
Material	Main frame	Made of steel, powder coating			
	Side rail	Vinyl leather, Urethane foam			
Safe	working load (*5)	204kgf (2,000N)			
	Service life	8 years (based on Paramount Bed data), excluding comsumable items such as casters.			
Back	Inclination angle		0° to 75°	$[\pm 7.5]^0$	
raise	Time required	18sec. (*6)			
Leg	Inclination angle	-30°to 0°[±3] ⁰			
raise Time required		17sec. (*6)			
Actuator Type		Linear actuator (DC motor)			
Power consumption		250VA or less			
-	Duty cycle		2 min. (stop tim	ne: 18min. (*7))	

^{*1)} Dimension of chair position, footrest retracted. Maximum length: 2026mm (flat position, footrest extended).

PA-8211: IV pole (KC-56B), IV pole support (PC-5103), Foot rest (PC-5102), Pillow (PE-8201), Roll sheets holder (PC-5104).

PA-8212: IV pole support (PC-5103), Foot rest (PC-5102), Pillow (PE-8201), Roll sheets holder (PC-5104).

^{*2)} Without IV pole

^{*3)} Dimension when back raise maximum (without IV pole).

^{*4)} Included accessories:

^{*5)} Safe working load: Maximum load with which the recliner can be operated. (The total load of user's weight and incidental items including accessories.)

^{*6)} With no loads.

^{*7)} Time to protect electrical parts from overheating when the recliner is used continuously for duty cycle (2min).

Environmental conditions	Range		
Environmental conditions	When transported or stored	When in use	
Temperature	-10 to 50°C	5 to 45°C	
Humidity	20 to 90%RH	20 to 90%RH	
Air pressure	700 to 1,060hPa	700 to 1,060hPa	

Patient target range		13 years and older *Do not use the recliner for children (aged 12 or under) or patient weighing more than 138kg.	
group	Maximum user weight	138kg	
Intended users		Health care workers, patients, relative of patient, and maintenance staff	
Clinical benefitt		Patient comfort Quality patient care and efficient care provision	

Essential performance

Function to support the body of patient, Emergency back-lowering function

• Frequently used function

Backrest angle, legrest angle, lowering armrest, four-wheel stoppers.

• Classification and Standards

The multiple medical recliner is designed and manufactured according to the following equipment classification and standards.

•Classification as medical device in Europe : Class 1

C E

•Safety standards applied : IEC 60601-1:2005 + CORR. 1:2006 + CORR.

2:2007 + AM1:2012 : IEC 60601-1-2:2014

: EN 60601-1:2006+A12:2014

: EN 60601-1-2:2015

•Electric shock protection : Class 1, Type B

*Equipment not suitable for use in the presence of a flammable anaesthetic mixture.

For the PA-8200 Series, special attention is required to EMC-related safety.

Install, operate and use the recliner in accordance with the following information.

Recliner is intended for use in the electromagnetic environment specified by "electromagnetic disturbance" of recliner.

The following abnormality may occur if using recliner in unintended environment.

*The function for supporting patient's weight does not maintain.

*The function for back lower does not maintain.

MARNING

- If using the other specified accessories, transducers and cable as a replacement part for internal components, except for transducers and cables sold by the manufacturer of recliner, there is a risk of increasing the emissions or reducing the immunity of recliner.
- ●Use portable RF transciever more than 30 cm away from any part of recliner (including peripheral equipment such as antenna cable and external antenna). If it is used within 30 cm, the recliner performance may degrade.
- Recliner cannot be used with adjacent to or stacked with other equipment. If it must be used adjacent to or stacked with other equipment, make sure to monitor that it can operate properly in the location where recliner is used.

Recliner is intended for use in clinic, restricted medical facilities, hospital (except near high-frequency surgical instrument, RF shielded room for magnetic resonance). Users or customers must use recliner in this environment.

Recliner is device that suitable to used in hospital due to emission characteristics. If it used in housing environment, the equipment may not provide adequate protection againts wireless radio frequency transciever. The user may need to take mitigation measures such as relocating or redirecting the device.

No.	Cable	Maximum length [m]	Remarks
1	AC power cable	4.6	Without shield
2	Handheld controller cable	1.5	Without shield

Guidance and Manufacturer's Declaration - Electromagnetic Emissions

The PA-8200 Series is intended for use in the following electromagnetic environment. The customer or user of the PA-8200 Series should make sure it is used in such an environment.

Emission test	Compliance	Electromagnetic Environment - Guidance	
RF emissions CISPR 11/EN 55011	Group 1	The PA-8200 Series uses RF energy only for its internal functions. Therefore, its RF emissions are low and are not likely to cause any interference with nearby electronic equipment.	
RF emissions CISPR 11/EN 55011	Class A		
Harmonic emissions IEC 61000-3-2/EN 61000-3-2	Class A	The PA-8200 Series is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network	
Voltage fluctuations/flicker emissions IEC 61000-3-3/EN 61000-3-3	Complies	that supplies buildings used for domestic purposes.	

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The PA-8200 Series is intended for use within healthcare facility environment. Users or customers must use recliner in this environment.

Immunity test	IEC 60601-1-2/EN 60601-1-2 Test level	Compliance level		
Static electricity discharge (ESD) IEC 61000-4-2 /EN 61000-4-2	Contact discharge: ±8kV Air dischare: ±2kV, ±4kV, ±8kV, ±15kV	Contact discharge: ±8kV Air dischare: ±2kV, ±4kV, ±8kV, ±15kV		
Electrical fasttransient/burst IEC 61000-4-4 /EN 61000-4-4	±2kV Power supply line	±2kV Power supply line		
Surge IEC 61000-4-5 /EN 61000-4-5	Line - line: $\pm 0.5 kV$, $\pm 1.0 kV$ Line - ground: $\pm 0.5 kV$, $\pm 1.0 kV$, $\pm 2.0 kV$	Line - line: ±0.5kV, ±1.0kV Line - ground: ±0.5kV, ±1.0kV, ±2.0kV		
Power Frequency Magnetic Fields IEC 61000-4-8 /EN 61000-4-8	30 A/m	30 A/m		
Voltage Dips IEC 61000-4-11 /EN 61000-4-11	0% UT: 0.5 cycles Phase: 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°	0% UT: 0.5 cycles Phase: 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°		
	0% UT: 1 cycle 70% UT: 25/30 cycles Single phase: 0°	0% UT: 1 cycle 70% UT: 25/30 cycles Single phase: 0°		
Short interruptions IEC 61000-4-11 /EN 61000-4-11	0% UT: 250/300 cycles voltage before applying the test level.	0% UT: 250/300 cycles		

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

Recliner is intended for use in an electromagnetic environment that used wireless RF transciever. Electromagnetic interference can be prevented by maintaining the minimum distance between RF transciever and recliner depend on the maximum output and frequency of the communication device as recommended below.

Immunity test	IEC 60601-1-2 /EN 60601-1-2 Test level	Compliance level (V/m)	Band (MHz)	Service	Modulation	Maximum power (W)	Distance (m)
Enclosure port to RF wireless communications equipment IEC 61000-4-3 /EN 61000-4-3	27V/m 385MHz	27	380-390	TETRA 400	Pulse modulation 18Hz	1.8	0.3
	28V/m 450MHz	28	430-470	GMRS 460, FRS 460	Pulse modulation 18Hz	2	0.3
	9V/m 710MHz 9V/m 745MHz 9V/m 780MHz	9	704-787	LTE Band 13,	Pulse modulation 217Hz	0.2	0.3
	28V/m 810MHz 28V/m 870MHz 28V/m 930MHz	28	800-960	GSM 800/900, TETRA 800, iDen 820, CDMA 850, LTE Band 5	Pulse modulation 18Hz	2	0.3
	28V/m 1720MHz 28V/m 1845MHz	28	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217Hz	2	0.3
	28V/m 1970MHz						
	28V/m 2450MHz	28	2400-2570	Bluetooth, WLAN 802.11 b/g/n RFID 2450, LTE Band 7	Pulse modulation 217Hz	2	0.3
	9V/m 5240MHz 9V/m 5500MHz 9V/m 5785MHz	9	5100-5800	WLAN 802.11 a/n	Pulse modulation 217Hz	0.2	0.3

Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The PA-8200 Series is intended for use in the following electromagnetic environment. The customer or user of the PA-8200 Series should make sure it is used in such an environment.

Immunity test	IEC 60601-1-2 /EN 60601-1-2 Test level	Compliance level	Electromagnetic Environment - Guidance	
Conducted disturbance induced by RF fields IEC 61000-4-6 /EN 61000-4-6	3V 150kHz-80MHz 6V in ISM bands between 0.15MHz -80MHz 80% AM at1kHz	3V 150kHz-80MHz 6V in ISM bands between 0.15MHz -80MHz 80% AM at1kHz	Field intensity from the fixed RF transmitter determined by a field investigation of the magnetic field must be lower than the compliant level of the respective frequency band. Near devices with the following symbol,	
Radioactive RF electromagnetic field IEC 61000-4-3 /EN 61000-4-3	3V/m 80MHz-2.7GHz 80% AM at 1kHz	3V/m 80MHz-2.7GHz 80% AM at 1kHz	interference could occur.	

a. The intensity of a magnetic field from fixed transmitters such as a radio (mobile/radio) telephone base station, land mobile radio, amateur radio, AM and FM radio broadcasting, and TV broadcasting cannot be theoretically predicted accurately. To determine the electromagnetic environment for a fixed RF transmitter, consider investigating the electromagnetic field in the location where the bed is used. If the intensity of the magnetic field in the location where the recliner Series is used exceeds the above RF compliance level, make sure to monitor if the recliner Series operates appropriately. If abnormal movement is found, take additional measures as needed, such as changing the direction or position of the recliner.

b. These guidelines are not necessarily all applicable. Transmission of electromagnetic waves is affected by structures, objects, breathing and reflections of people.

1. When requesting repairs

First check the items described in "11. TROUBLESHOOTING" (p. 29) in this instruction manual. If the problem persists, disconnect the recliner's power plug from the power outlet and contact Paramount Bed or your distributor.

- Details necessary when requesting repair
 - Product name, model number
 - •Product ID label number (see p.29)
 - Date of purchase
 - Details of fault or problem (please provide as much detail as possible)
 - · Your name, organization, address, and phone number
- Consumable parts

Casters, handheld controller are consumable parts.

2.Minimum stock availability period

Paramount Bed keeps replacement parts (necessary to maintain recliner performance) in stock for at least 8 years after the discontinuation of production.

3. Questions regarding after-sales service

For any queries, please feel free to contact Paramount Bed or your distributor. Website: https://www.paramount.co.jp/english/



Location in Japan (Manufacturer)	Location in Indonesia (Manufacturing premises)		
Paramount Bed Co., Ltd. 14-5, 2-chome, Higashisuna, Koto-ku, Tokyo, 136-8670, Japan TEL: +81-(0)3-3648-2961 FAX: +81-(0)3-3648-5781	PT. Paramount Bed Indonesia MM2100 INDUSTRIAL TOWN, BLOCK M-1-1, GANDAMEKAR, CIKARANG BARAT, BEKASI 17530 JAWA BARAT, INDONESIA TEL: +62-(0)21-8981051 FAX: +62-(0)21-89981611		

EC REP

EMERGO EUROPE

Westervoortsedijk 60, 6827 AT Arnhem The Netherlands

CE

NOTES

