




Configura Solus Instruction Manual

IFU-CM3-001EN Rev 02

MAY 2024

Accora

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Welcome

Dear Customer,

Thank you for purchasing an Accora healthcare product. Before operating the chair, you must read and understand all the instructions in this manual. All actions and handling of the chair must be performed in accordance with the instructions in this manual.

Please ensure that the manual is available to users and operators throughout the chair's service life.

If you need further information, please contact us. See Section 25.

General

The Solus is classified as a Class 1 Medical Device in accordance with the Medical Devices Regulation 2002 as amended and the Medical Device Regulation 2017/745.



Notice to User

If a serious incident occurs in relation to this medical device, affecting the user or the patient, then the user or patient should report the serious incident to the medical device manufacturer and, in the European Union, the user should also report the serious incident to the Competent Authority in the member state where they are located.



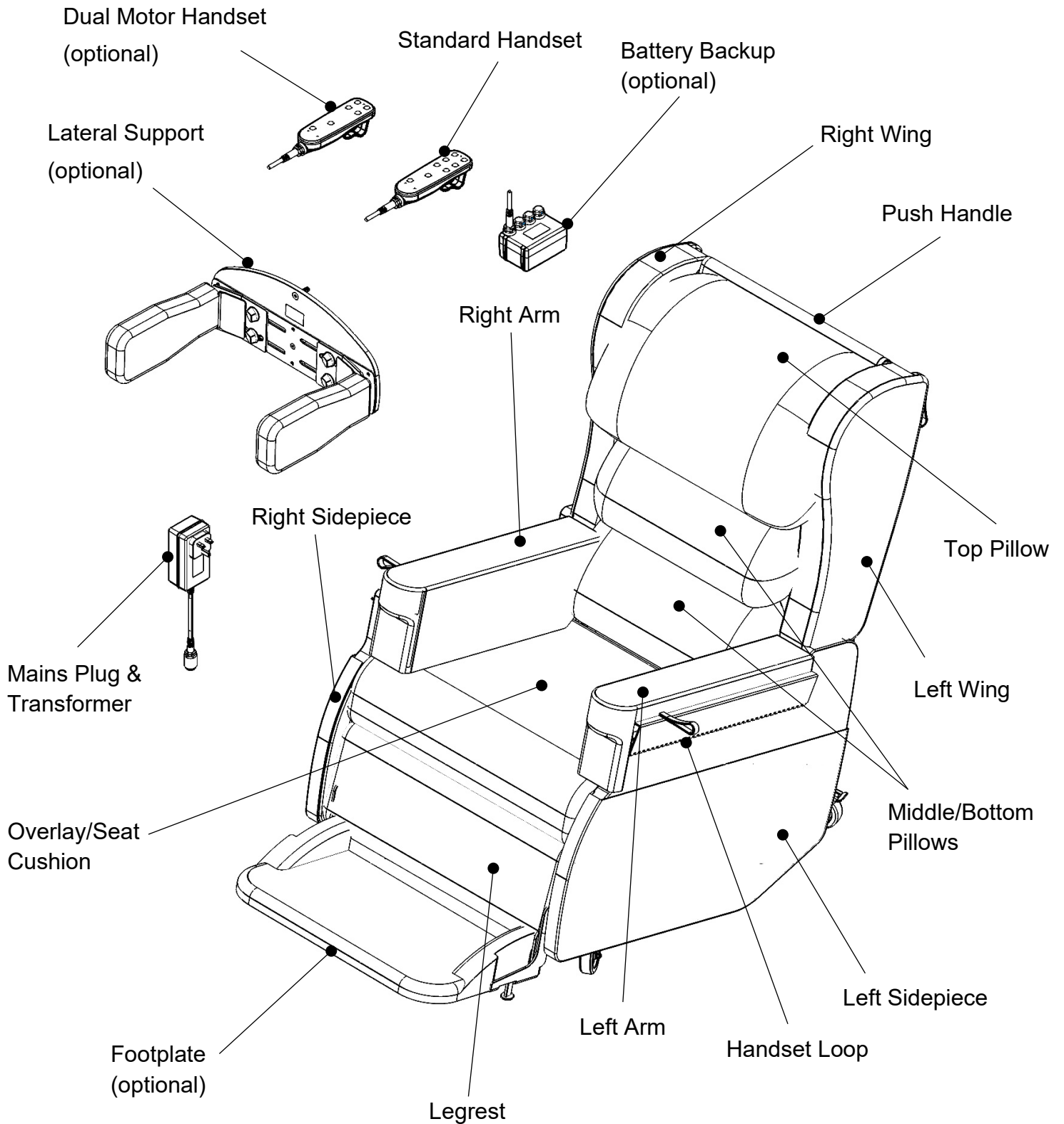
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Product Overview

The Left and Right of the chair are as seen by a person seated in the Chair.





General Warnings -----

1. Keep this Instruction Manual available for future reference.
2. These instructions must be observed to ensure the safe and effective use of this chair and the safety of users and caregivers.
3. This chair must be assembled, positioned, and used in accordance with these instructions.
4. This is an electrical item and should be treated with caution.
5. Always ensure that there is nothing to obstruct the free movement of the chair, for example: children or pets, or solid objects, e.g. a wall.
6. This chair is not suitable for use by children. Any children in the vicinity must be supervised at all times.
7. Take care when adjusting positions to avoid trapping or pinching of body parts, especially in the following areas: under the chair, under or in the leg rest mechanism, between the backrest and seat cushion and under the sides of the chair.
8. Do not sit on legrest.
9. Only the occupant or a responsible person should operate the chair.
10. Exercise care when lowering into the chair as shock loads can severely damage the chair and the mechanism.
11. The motion lockout control must be engaged when the chair is not in use.

1. Specific Warnings -----

1. Accora shall not be held liable for any damage, injuries or accidents arising from negligence or use that is at variance with this manual.
2. Follow the safety features and instructions for operating this product.
3. Do not modify this product without the authorisation of the manufacturer.

4. Do not use this product if faults have been detected on it that may injure the user, staff or a third person or damage the product or the surroundings.
5. Before using this product ensure the user is familiar with its functionality.
6. When repairing this product, use only original materials and components otherwise the manufacturer cannot guarantee against any damage that might occur.
7. Only use authorised accessories with the chair.
8. Only trained service personnel should perform maintenance on the chair.
9. Carry out an assessment before seating a user on the chair.
10. Do not allow children to play on or with the chair.
11. Be aware of any potential fire hazards.
12. The chair is intended for indoor use only.
13. Do not move the chair if the power cable is connected to the wall.
14. Do not route any cable under the chair or through any moving part of the chair. There is a risk of the cable being damaged which could cause an electric shock.
15. Do not cover the power supply transformer as it may get warm during use.
16. Make sure the transformer and power cables are positioned to avoid causing a trip hazard or other hazard when using the chair.
17. Avoid spillage of liquids and water on the electrical system.
18. Fully check the chair for functionality if the electrical system becomes wet.
19. There is a risk of entrapment while cleaning the chair.
20. Do not smoke when using or sitting in the chair.
21. Do not fall or drop into the chair as this could severely damage the chair.
22. Do not use the chair without the seat cushion.
23. Do not use the chair with an electric blanket.
24. With all chair rise functions, there is an element of risk and it is recommended to only use the rise function of the chair to a safe height for the user.
25. When raising the chair to full height in Medium Rise, it is possible that the user's feet may be lifted from the floor. This must be taken into consideration when assessing the suitability of the different Rise Position Angle.
26. Always adjust the backrest to the fully upright position before raising the chair.
27. There is a possibility that materials which the user comes into contact with may cause an allergic reaction.

2. Means of Delivery -----

The Configura Solus chair is supplied boxed. An inspection must take place upon receipt to ensure the delivery is complete and undamaged.

Any missing parts, faults or damage must be reported immediately to the carrier and Accora in writing.

3. Safety Instructions -----

1. Before operating this chair, you must read and understand the instructions in this manual. The instructions are mandatory for the safe and effective use of the chair and the safety of the users and carers.
2. Any actions that are inconsistent with the manual are performed at your own risk and Accora shall not be held liable for any injury or damage.
3. Please ensure that the manual is available to operators throughout the life of the chair.
4. It is recommended that the chair configuration is selected by a healthcare professional.
5. The chair should be regularly checked by the carer / user to ensure the setup is correct and it is working as intended for the user.
6. Should you have any questions regarding the use of the product do not hesitate to contact Accora customer service on 01223 206100.



Caution, read the instructions before use



For indoor use only

4. Intended Use -----

The Configura Solus chair is intended to be used as a portable chair with built in size, pressure and posture options in long-term care and homecare environments. The chairs are intended for patients who do not exceed the safe working load and height recommendations for the device.

The Configura Solus chair range is intended for use in primary healthcare environments where supervision can be provided if necessary, for example, long-term residential care, nursing homes or convalescent units. The Configura Solus chair may also be placed in private homes where there is unlikely to be 24-hour supervision by clinical staff, but where the patient or caregiver is considered competent in its use.

A typical patient / user ranges from those who are physically dependent on caregivers for their mobility, social and daily care needs, through to rehabilitating patients. Patients using the chair may also have declining cognitive awareness, with symptoms ranging from mild forgetfulness and poor concentration through to end-stage dementia.

5. Technical Specification -----

The table below lists the Configura Solus chair part numbers; some may not be available in all regions. Part numbers may be suffixed (EU etc) to show regions.

Part Number	Description
CHAIR-0-CM3-280	Configura Solus Chair, Light Grey Vinyl, UK

General specification

Description	Value
Model name	CM3
Overall dimensions	720mm W x 900mm D x 1250mm H 28.3in W x 35.4in D x 49.2in H
Chair castor	4 x 100mm
Safe working load	110kg
Maximum patient weight	110kg / 242lbs / 17st
Audible noise	<60 dBA
Mass of chair	70kg / 154lbs
Flammability	Cover fabric: (BS EN1021-1 AND BS EN1021-2)
Expected service life	Typically 7 years

Environmental information:

Condition	Temperature Range	Relative Humidity	Atmospheric pressure
Operating	+10°C to +40°C +50°F to +104°F	30% to 75% (Non-condensing)	700 hPa to 1060 hPa
Transport/storage	+10°C to +25°C (+50°F to +77°F)		

Accessories

Part number	Description
HNDST4-0-CM3-000	Solus Dual Motor Handset
EXTLAT-0-CM3-090	Solus External Lateral Support Kit
FPKT-0-CM3-080	Solus Footplate Kit
BBU-0-CM3-000	Solus Battery

The Configura Solus Chair position setting ranges:

Description	Value
Standard Rise	18°
Medium Rise	12°
Backrest Angle	95°-125°
Seat Tilt	0°-28°
Legrest Angle	88°-160°

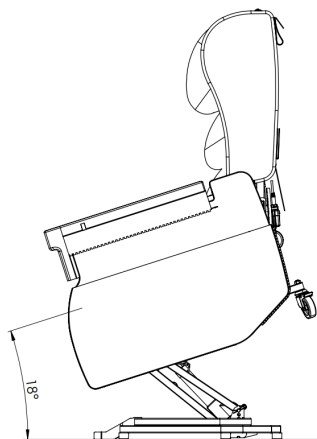


Figure 5.1 Standard Rise

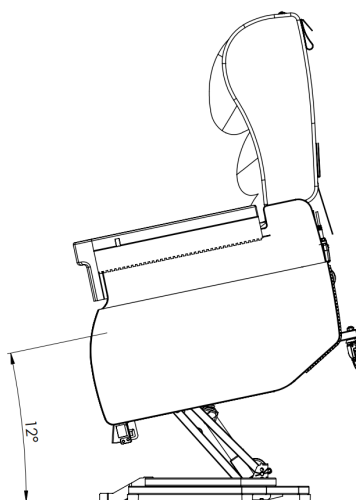


Figure 5.2 Medium Rise

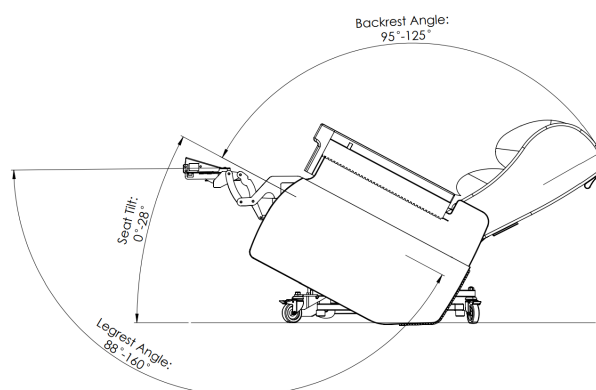


Figure 5.3 Support Surface Angles





6. Electrical specification -----

Mains electrical system:

Description	Value
Supply voltage	100-240VAC
Supply frequency	50/60Hz
Max supply current	4A
Degree of protection against liquid ingress	IP67
Degree of protection against electric shock	Class II Double Insulated
Duty Cycle	2min ON/18min OFF

Low voltage electrical system:

Description	Value
Operating voltage	29V
Battery specifications	
Type	Lithium Ion
Output Voltage	25.2V
Capacity	1.8Ah
Charging time	Approx. 5-8 hours depending on charge state.
LED Indicator	Red = Charging Green = Charged
Recharging during storage	First recharge of the battery must be no later than 3 months after production date and 3 months thereafter.

Symbol	Definition
	The B symbol indicates this product has a degree of protection against electric shock for type B equipment.
IPX4	Degree of protection against liquid ingress.
	Do not dispose of in household waste.
	Degree of protection against electric shock: Class II Double Insulated.
	For indoor use only

For a full list and explanation of symbols used see Section 24 Table of Symbols.

7. Assembly -----



WARNING

Assembly **MUST** be carried out by suitably trained and qualified personnel.

All functions **MUST** be tested and approved after assembly by suitably trained and qualified personnel.

Assembly **MUST** take place in a clear, uncluttered area and children and pets should be kept away.

The castor brakes must be applied during the assembly process.

Only the power supply supplied with the chair may be used.

If the chair has become soiled or contaminated during transit refer to cleaning and disinfection instructions.

If fitting a 3rd party cushion to the chair the manufacturers instructions must be followed. A risk assessment must be carried out to assess suitability.

The Solus Chair is shipped as shown in Figure 8.1



Figure 7.1

1. Check that the delivery is complete and whether any visible damage has occurred to the chair during transport.

2. Remove the packaging, lift the Backrest and remove the components that were stored for transport, identify all the components:
 1. 1 x Chair Assembly
 2. 1 x Right Wing
 3. 1 x Left Wing
 4. 1 x Top Cover
 5. 1 x Top Pillow
 6. 2 x Middle & Bottom Pillows
 7. 1 x 10mm diameter Clevis Pin
 8. 4 x 6mm diameter Clevis Pins
 9. 1 x Large R-clips
 10. 4 x Small R-clips
3. Lift the Backrest into an upright position aligning the hole at the bottom of the Backrest actuator with the corresponding hole on the Backrest actuator bracket as shown in Figure 7.2 Secure the Backrest actuator in place using the 10mm diameter Clevis Pin and the Large R-clip as shown in Figure 7.3.



Figure 7.2



Figure 7.3

4. The Overlay is unzipped from the backrest cover for shipping as shown in Figure 7.4. Zip the Overlay to the Backrest cover as shown in Figure 7.5.



Figure 7.4



Figure 7.5

5. Locate the Right and Left Wings, the four 6mm diameter Clevis Pins and four Small R-clips. Offer the Left Wing up to the tube of the Backrest lining up the two holes as shown in Figure 7.6. Push the Left Wing onto the tube of the Backrest and fit the two Clevis Pins from the back of the chair as shown in Figure 7.7. Secure both Clevis Pins with a small R-Clip as shown in Figure 7.8. Repeat the same process for the Right Wing.



Figure 7.6

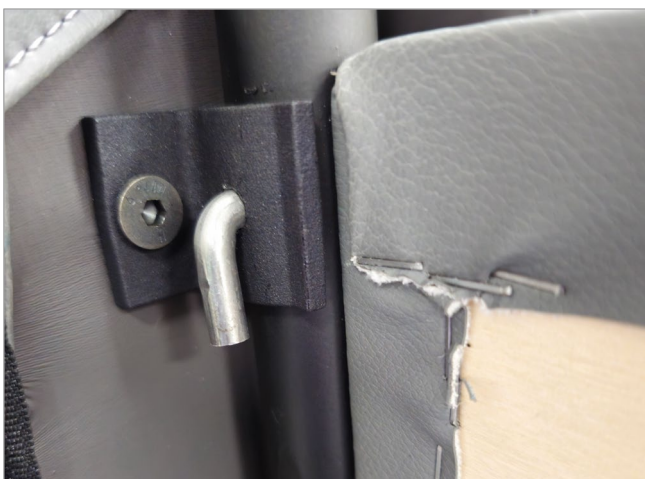


Figure 7.7

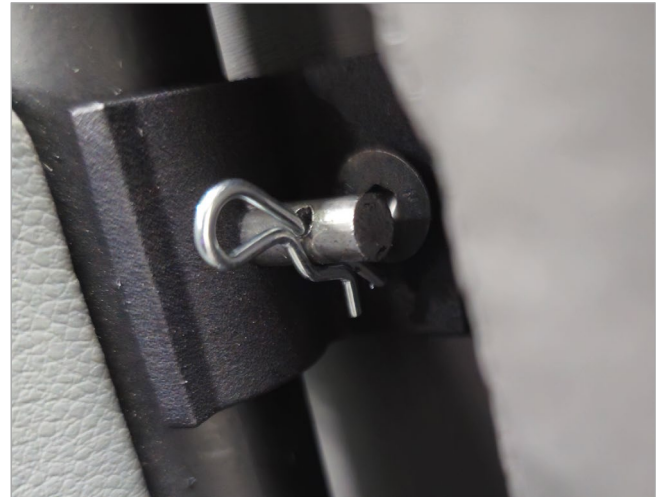


Figure 7.8

6. Locate the Top Cover and zip it into position on both sides as shown in Figure 7.9 and Figure 7.10. The top part of the cover is secured on the Backrest Board. Pass the cover under the Push Handle and secure to the Velcro on the front of the Backrest Board as shown in Figure 7.11.



Figure 7.9



Figure 7.10



Figure 7.11

7. Attach one of the Middle & Bottom Pillows to the Backrest Board in the lowest position ensuring the Velcro is securely attached. Attach the second Middle & Bottom Pillow to the middle position on the Backrest. Attach the Top Pillow by securing it to the Velcro on the Top Cover by feeding the tab under the Push Handle and securing to the top cover as shown in Figure 7.12 and Figure 7.13.



Figure 7.12



Figure 7.13

8. Plug the chair into a suitable, easily accessible power outlet and carry out the Functionality Check referring to Section 15 Functionality Check.

8. Setting up the Chair-----



WARNING

Ensure no service user is seated in the chair before adjusting.

Ensure all castor brakes are engaged.

Ensure the chair is in the home position.

When adjusting the height ensure there is adequate clearance for the legrest and footplate to function.

Do not adjust the chair beyond the range displayed on the indicator labels.

Configura Solus has built in Height, Width, Depth and Legrest adjustability to allow the chair to be adjusted to provide optimal comfort and support. Refer to the table below for the maximum Legrest length setting:

Seat Height Setting mm/in	Max Legrest Length Setting		
	Without Footplate	Footplate (90°)	Footplate (105°)
550/22	500/20	500/20	475/19
525/21	500/20	475/19	450/18
500/20	500/20	450/18	425/17
475/19	475/19	425/17	400/16
450/18	450/18	400/16	-
425/17	425/17	-	-
400/16	400/16	-	-

Chair Height Range – Adjustable between 400mm (16”) and 550mm (22”).

Chair Width Range – Adjustable between 400mm (16”) and 550mm (22”)

Chair Depth Range – Adjustable between 400mm (16”) and 550mm (22”).

Legrest Length – Adjustable between 400mm (16”) and 500mm (20”).

Rise Mode Adjustment – The chair has two rise modes, Standard Rise and Medium Rise.

Backrest Pillow Adjustment – The Backrest Pillows can be adjusted to suit the service user’s requirements.

Chair Height Adjustment

1. Undo the left most zip from top to bottom located at the back of the Left Sidepiece and pull the Sidepiece Cover down to expose the Height Adjustment Handle as shown in Figure 8.1 and Figure 8.2.



Figure 8.1



Figure 8.2

2. Pull the Height Adjustment Handle out of its Pocket as shown in Figure 8.3. To raise the chair, rotate the handle in a counter-clockwise direction. To lower the chair, rotate the handle in a clockwise direction. Adjust the chair until the indicator displays the desired height.

Note: Ensure there is adequate clearance for the legrest and footplate to function. Refer to the table at the beginning of this section, or to the table on the Left Sidepiece behind the Sidepiece cover.



Figure 8.3

3. Push the Height Adjustment Handle back against the Sidepiece and re-zip the Sidepiece Cover.

Chair Width Adjustment

1. The Chair Width Adjustment lever is located between the Arm and the Sidepiece as shown in Figure 8.4 and Figure 8.5 on both sides of the chair.

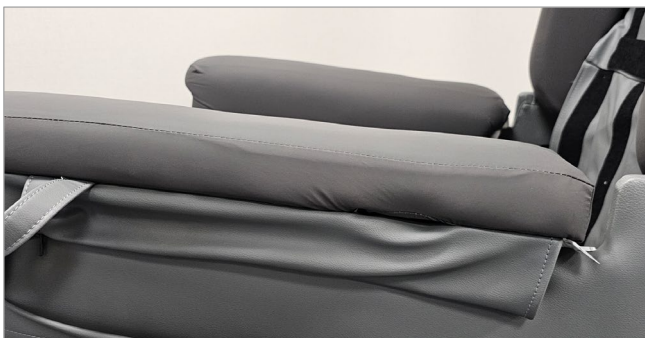


Figure 8.4



Figure 8.5

2. Pull the lever upwards as shown in Figure 8.6 and either push or pull the Arm sideways to increase or decrease the width to the desired width setting on the indicator label as shown in Figure 8.7.



Figure 8.6



Figure 8.7

3. Release the lever and push and pull the Arm to ensure that the mechanism has correctly located and the Arm is locked in place.
4. Repeat steps 1 to 3 for the Arm on the opposite side of the chair ensuring that an identical width setting is achieved.

Chair Depth Adjustment

1. Undo the right most zip from top to bottom located at the back of the Right Sidepiece and pull the Sidepiece Cover down to expose the Depth Adjustment Handle as shown in Figure 8.8 and Figure 8.9.

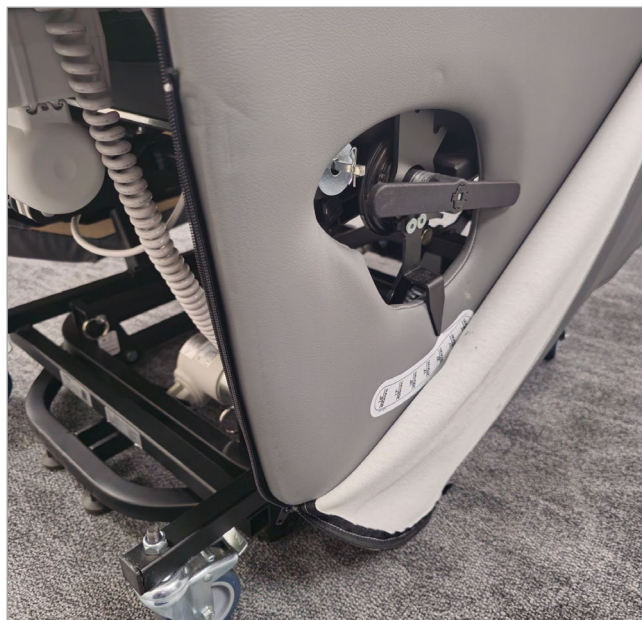


Figure 8.8



Figure 8.9

2. Pull the Depth Adjustment Handle out of its Pocket as shown in Figure 8.10.



Figure 8.10

3. To increase the depth of the chair, rotate the handle in a clockwise direction. To decrease the depth of the chair rotate the handle in a counter-clockwise direction. Adjust the chair until the indicator displays the desired depth.
4. Push the Depth Adjustment Handle back into its recess and re-zip the Sidepiece Cover.

Legrest Length Adjustment

1. Raise the Legrest referring to Section 18 Operation as shown in Figure 8.11.



Figure 8.11

2. Undo the three Velcro tabs on the underside of the legrest and lift the bottom section of the overlay and fold it back on itself as shown in Figure 8.12, Figure 8.13 and Figure 8.14.

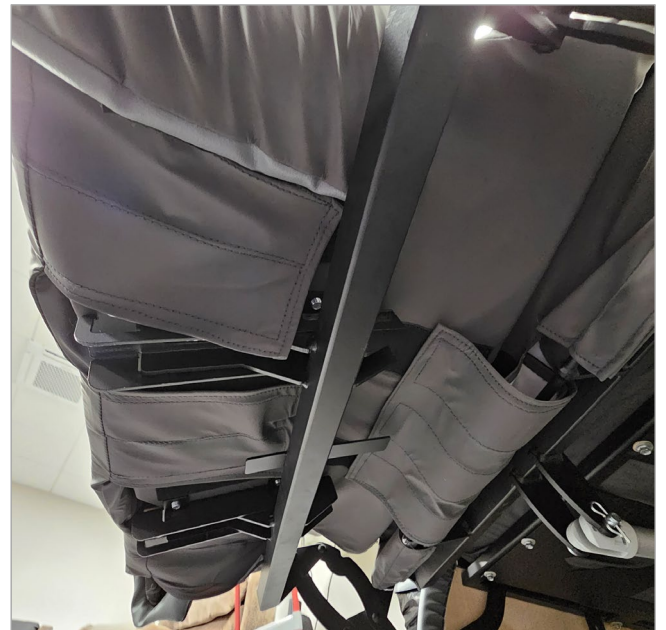


Figure 8.12



Figure 8.13



Figure 8.14

3. 4. Lift up the locking bar to release the legrest as shown in Figure 8.15 and slide the legrest to the desired length setting using the length indicator.

Note: Ensure there is adequate clearance for the legrest and footplate to function. Refer to the table at the beginning of this section, or to the table on the Left Sidepiece behind the Sidepiece cover.



Figure 8.15

4. 6. Lower the Legrest locking bar and try to slide the Legrest to ensure it is locked in place.
5. 7. Reposition the overlay and secure the three Velcro tabs underneath the Legrest.

Rise Mode Adjustment

Solus has two Rise Mode angle options, Standard Rise 18° Tilt Forward and Medium Rise 12° Forward. This section will describe how to change the Rise Mode angle.

1. Press the Tilt-in-Space button on the handset until the springs located at the front underneath the chair are no longer compressed as shown in Figure 8.16.



Figure 8.16

2. The rise mode brackets are located at the back of the chair as shown in Figure 8.17. Remove the R-Clips from both Clevis Pins followed by removing both Clevis Pins and retain for refitting as shown in Figure 8.18 and Figure 8.19.

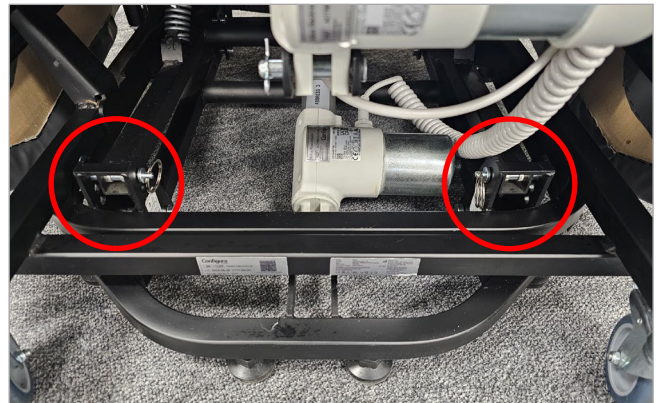


Figure 8.17

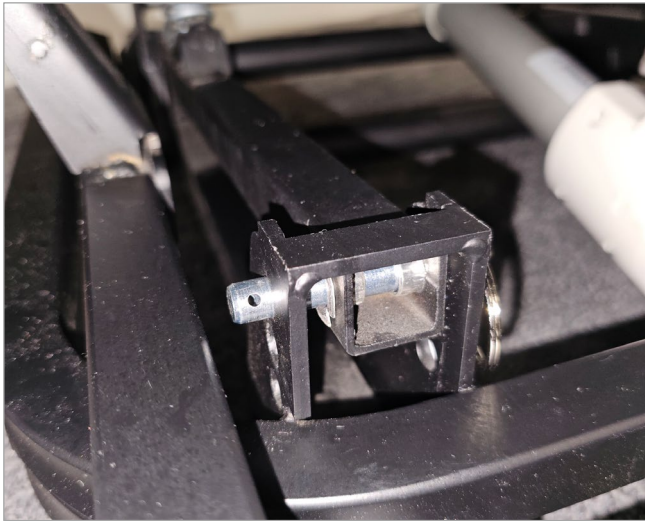


Figure 8.18



Figure 8.19

3. Determine the desired rise mode setting referring to Section 5 Technical Specification. Align the holes on the Frame with the desired hole setting on the rise mode label as shown in Figure 8.20.



Figure 8.20

4. Reinsert the Clevis-Pins ensuring they are pushed all the way in and refit the R-Clips as shown in Figure 8.21.

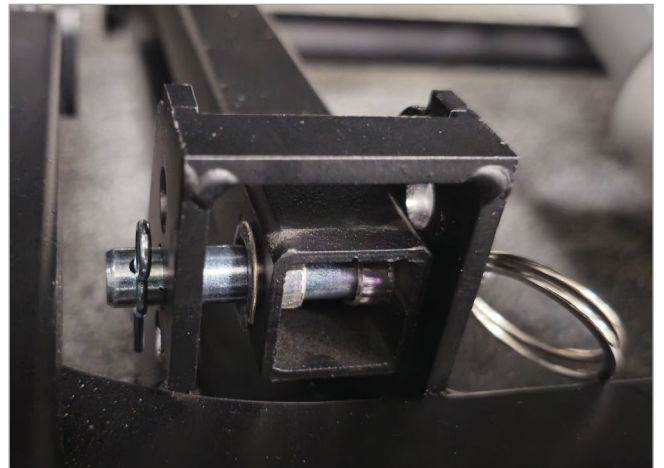
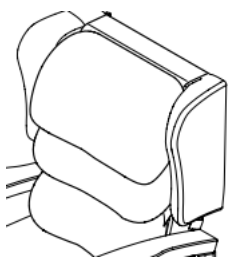


Figure 8.21

Fitting / Adjusting Backrest Pillows

Solus has three pillows fitted to the backrest, two Middle & Bottom Pillows and one Top Pillow. The Top Pillow must always be positioned in the top position as shown in the Product Overview. The Middle & Bottom Pillows can be used in two different positions; horizontal or vertical as shown in Figure 8.22 dependant on the users requirements.

Standard Pillow Position



Vertical Middle & Bottom Pillow Position

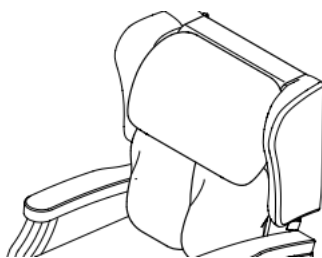


Figure 8.22

Pillow Filling Adjustment

The pillow filling quantity can be adjusted to suit the users requirements. If a pillow needs to be adjusted, contact your Prescriber or Service personnel.

9. Operation



WARNING

Check for obstructions around, above and below the chair frame and position the chair so that it can operate through the full adjustment range without any possibility of obstruction or entrapment.

Always engage the castor brakes when the chair is stationary or left unattended.

Patients should only be allowed to operate the chair independently if they are able to understand the safety instructions in this manual and have been risk assessed as able to use the handset.

Always store the handset in a safe place when not in use to avoid risk of strangulation and entrapment in the chair mechanism.

Make sure the castor brakes are in the locked position before using the handset to change the positions of the chair.

Be aware of entrapment risks through opening and closing gaps as the chair is adjusted.

Keep children and pets away from the chair unless supervised by an adult.

Ensure the patient is in a stable sitting position while any of the following adjustments are made.

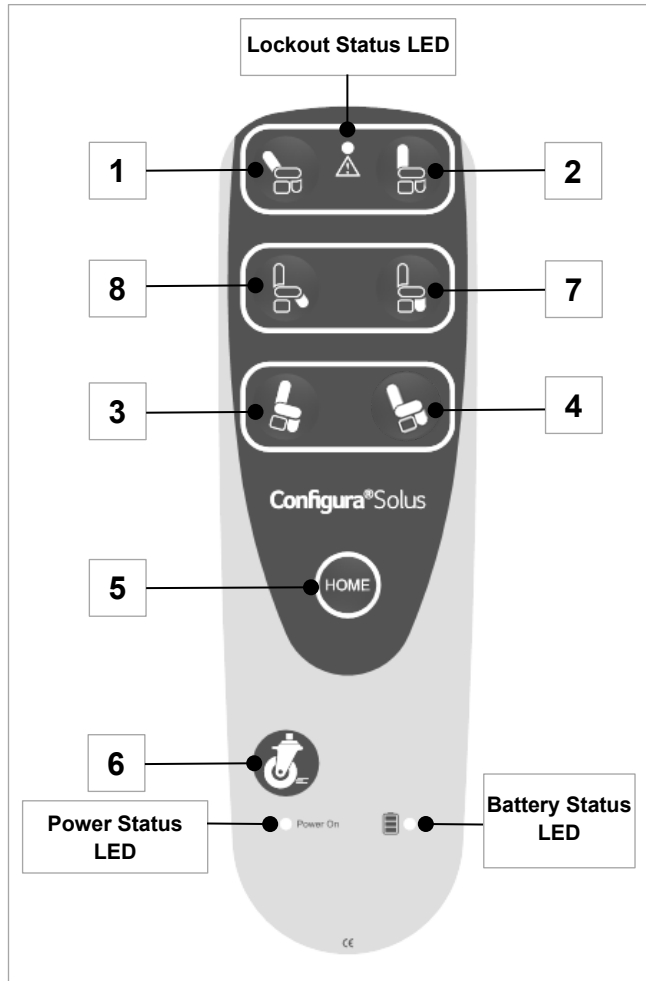
Ensure the Footplate is removed prior to a user exiting the chair to avoid the risk of falls.

Solus has two handset options, the Standard Handset and the optional Dual Motor Handset. If it is deemed necessary both handsets have lockout functions to either completely disable or set certain functions at particular angles.

When not in use the handset should be stored using the handset loop on either side of the chair as shown on the Product Overview.

Standard Handset controls:

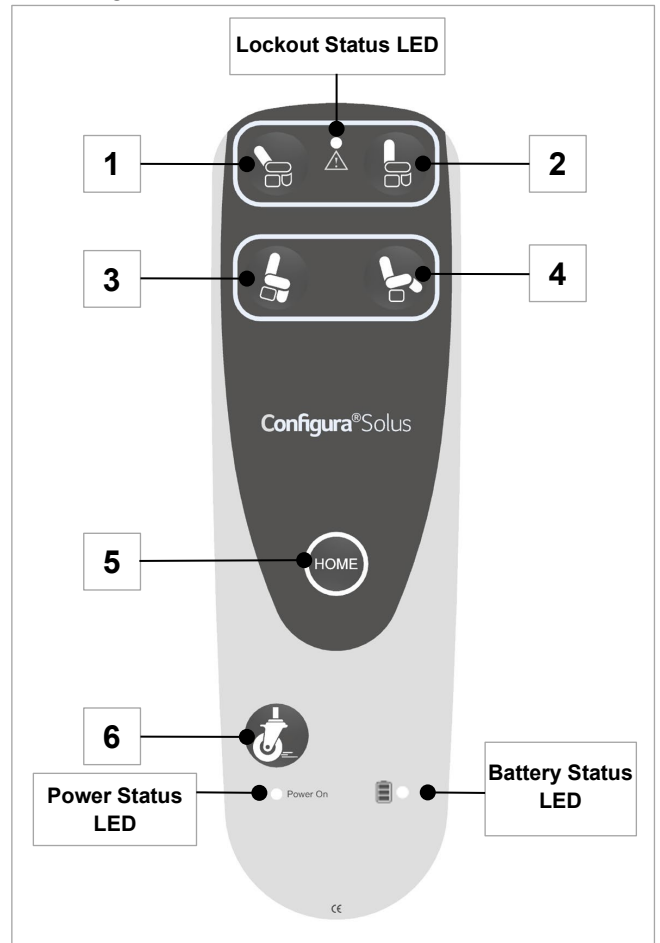
The Standard Handset has the following controls:



1	Recline Backrest
2	Raise Backrest
3	Rise
4	Tilt-in-space
5	Home Position
6	Portering Position
7	Lower Legrest
8	Raise Legrest

Optional Dual Motor Handset controls:

The optional Dual Motor Handset has the following controls:



1	Recline Backrest
2	Raise Backrest
3	Rise
4	Tilt-in-space
5	Home Position
6	Portering Position

Handset Lockout: If necessary, all functions on the handset can be locked out if the patients medical condition is inappropriate for the patient to independently adjust the chair.

Hold button 5 'Home position' and button 1 'Recline Backrest' until the Lockout Status LED, is illuminated orange.

To unlock the handset, repeat the above procedure. The Lockout Status LED will not be illuminated when the handset is successfully unlocked.

For information on disabling individual functions and functionality refer to each function below.

Note: lockouts are optional and may not be fitted on your chair.

Power Status LED

The Power Status LED gives a visual indicator of the power status of Solus. If the Power Status LED is not lit then Solus does not have power. Refer to Section 18 Troubleshooting for guidance.

Battery Status LED

If an optional Battery is fitted the Battery Status LED will illuminate Orange when the Battery has a state of charge less than 20%. The Battery Status LED will illuminate green when the Battery has a state of charge greater than 20%.

Backrest (Button 1,2)

Holding button 1 'Recline Backrest' will recline the Backrest from 95° to a maximum of 125°. Holding button 2 'Raise Backrest' will raise the backrest to the home position of 95°.

If necessary, the Backrest functionality can be disabled. With the Backrest at the desired angle hold button 6 'Portering Position' and button 1 'Recline Backrest' until an audible beep is heard. To enable this function repeat the same process until an audible beep is heard.

Raise Chair/Tilt-in-Space (Button 3,4)

Holding button 3 'Rise' will raise the chair to assist users with transfers to and from the chair. Refer to Section 5 Technical Specification for a breakdown of the different Rise Position Angles. The Backrest will recline slightly as the chair rises.

To disable the automatic Backrest recline ensure the chair is in the 'Home Position' by

holding button 5. When in 'Home Position' hold button 5 'Home position' and button 4 'Tilt-in-space' until an audible beep is heard. To enable this function repeat the same process until an audible beep is heard.

Holding Button 4 on the Standard Handset will enter Tilt-in-Space mode. The chair will recline to a maximum seat base setting of 30°.

Holding Button 4 on the optional Dual Motor Handset will enter Tilt-in-space mode. The chair will recline to a maximum seat base setting of 30° and the Legrest will extend.

The Rise function can be disabled if it is deemed not suitable for the service user. Ensure the chair is in the 'Home Position' by holding button 5. When in 'Home Position' hold button 5 'Home position' and button 3 'Rise' until an audible beep is heard. To enable this function repeat the same process until an audible beep is heard.

Note: When transitioning from Rise to Tilt-in-Space or vice versa the chair will stop when it reaches the 'Home Position'. To continue to reach the desired position it is necessary to repress the desired function button.

Home position (Button 5)

Holding button 5 'Home position' will return the chair to a position with the Backrest raised to 95°, the seat base horizontal and the Legrest fully retracted. This function moves the chair back to a normal seated position.

Portering position (Button 6)

Holding button 6 'Portering' will put the chair in a suitable position for portering a user. Similar to the 'Home position', but with a slight backward tilt aiding stability and ensuring clearance with the ground.

Independent Legrest Control (Button 7,8)

Independent Legrest Control is only available on the Standard handset.

Holding button 8 'Raise Legrest' will raise the legrest independently from the Tilt-in-space

function. Holding button 8 'Lower Legrest' will lower the Legrest.

If necessary the 'Legrest' function can be locked out. Ensure the chair is in the 'Home Position' by holding button 5. When in 'Home Position' hold button 6 'Portering Position' and button 8 'Raise Legrest' button until an audible beep is heard. To enable this function repeat the same process until an audible beep is heard.

10. Using the Castor Brakes -----

Solus is equipped with four braked castors. The brakes must be engaged when the chair is in use, being assembled or disassembled. The castors must be disengaged for portering patients.

To engage the castor brakes press the lever down towards the ground until it can no travel no further as shown in Figure 10.1.



Figure 10.1

To disengage the castor brakes press the small lever towards the castor until it unlocks as shown in Figure 10.2.



Figure 10.2

11. Solus Footplate Kit -----

The Solus Footplate Kit is designed to support the feet of the user. The footplate can be set at either 90° or 105°. The leg length can be adjusted between 16" (400mm) and 20" (500mm) see Section 8 Setting up the Chair.

Note: The choice of Footplate angle affects the maximum Legrest length setting. Refer to Section 8 Setting up the Chair to check the maximum Legrest length setting for either 90° or 105° Footplate angle.

1. Check that the delivery is complete and whether any visible damage has occurred to the chair during transport.
2. Remove the packaging and identify all components:
 1. 1x Footplate Upholstered Board
 2. 1x Right Footplate Bracket
 3. 1x Left Footplate Bracket
 4. 4x M8x12mm Bolts
 5. 2 x Shoulder Bolts
 6. 1x 5mm Allen Key

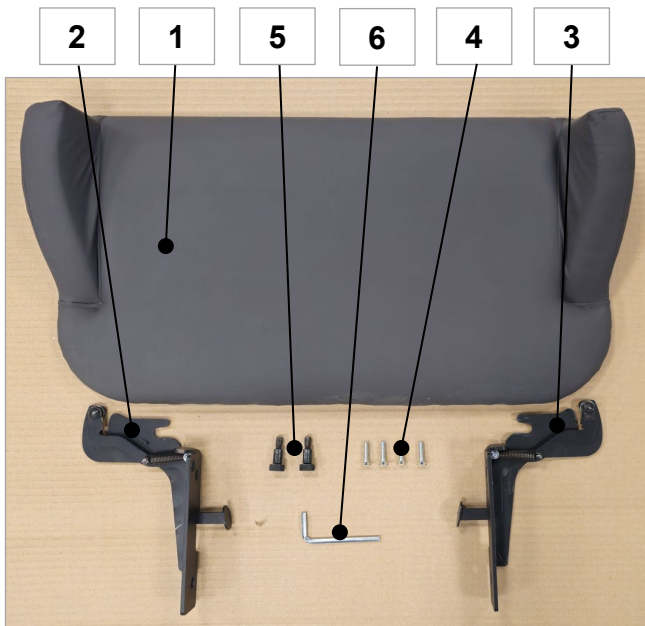


Figure 11.1

3. Locate the Left Footplate Bracket and two M8x12mm Bolts. Offer the Left Footplate Bracket up to the Footplate as shown in Figure 11.2 and secure in place with the two M8x12mm Bolts as shown in Figure 11.3.



Figure 11.2



Figure 11.3

4. Locate the Right Footplate Bracket and two M8x12mm Bolts. Offer the Right Footplate Bracket up to the Footplate as shown in and secure in place with the two M8x12mm Bolts.
5. Press the release lever of both brackets as shown in Figure 11.4 to ensure they operate smoothly.



Figure 11.4

6. Raise the Legrest to its maximum setting as shown in Figure 11.5 referring to Section 9 Operation.



Figure 11.5

7. Undo the three Velcro tabs underneath the Legrest as shown in Figure 11.6.



Figure 11.6

8. Lift the overlay away from the Legrest and fold it back on its self exposing the Legrest Board as shown in Figure 11.7.



Figure 11.7

9. Undo the Velcro tab on the protective cover on either side of the Legrest Board and fold them back on themselves as shown in Figure 11.8.



Figure 11.8

10. Determine which Footplate angle setting is most appropriate for the user, either 90° or 105°.
11. Locate the two M8 shoulder bolts and the 5mm Allen Key and install one bolt on each side of the Legrest referencing the Footplate Angle label as shown in Figure 11.9



Figure 11.9

12. To fit the Footplate to Solus, offer the Footplate up to the Legrest board and place the Brackets onto the M8 Shoulder bolts as shown in Figure 11.10.



Figure 11.10

13. With both the Right and Left Footplate Bracket release levers depressed rotate the Footplate forwards until it stops against the locking pins and release both the Right and Left Footplate Bracket release levers as shown in Figure 11.11.



Figure 11.11

14. Check that the Footplate is securely fitted by gently pushing down on the front on the Footplate.
15. Pull the protective cover on either side of the Legrest Board over the Right and Left Footplate Brackets and reattach the Velcro tabs as shown in Figure 11.12.



Figure 11.12

16. Unfold the Overlay and feed the three Velcro tabs through the gap between the Footplate and Legrest as shown in Figure 11.13 and reattach them.



Figure 11.13

12. Lateral Support Kit -----

The lateral support kit fits to the Backrest of the chair, and is used to give more rigid or aggressive support.

1. Check that the delivery is complete and whether any visible damage has occurred to the Lateral Support Kit during transport.
2. Remove the packaging and identify all components:
 1. 1 x Lateral Support Plate
 2. 2 x Lateral Support Arms
 3. 1 x Hand Wheel
 4. 4 x Wingnuts & 4 x Washers

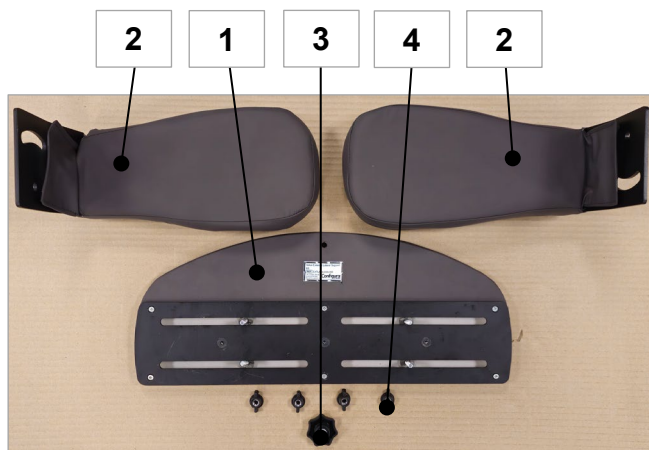


Figure 12.1

3. Remove the Backrest Pillows as shown in Figure 12.2 and the Back Cover by unzipping and unfastening the Velcro as shown in Figure 12.3.



Figure 12.2



Figure 12.3

4. Locate the Lateral Support Plate, both Lateral Support Arms and the four Wingnuts & Washers.

5. Place one of the Lateral Support Arms onto the Lateral Support Plate by sliding the bolts on the Lateral Support Plate until they line up with the hole and slot on the Lateral Support Arm as shown in Figure 12.4.

Note: The Lateral Support Arms can be fitted to the Lateral Support Plate at two different angles - 90° and 103° depending on which mounting holes and slots are used.



Figure 12.4

6. Secure the Lateral Support Arm with two Wingnuts and two Washers as shown in Figure 12.5.



Figure 12.5

7. Repeat steps 5 and 6 for the other Lateral Support Arm.
8. Line the hole in the Lateral Support Plate up with the Slot in the Backrest and press the Lateral Support Plate onto the Backrest to secure the Velcro as shown in Figure 12.6.

Note: The Lateral Support can be installed either way up, with the hole at the top or the bottom depending on the desired support

location. Furthermore, if needed, the support can be angled to accommodate varying heights on each side.



Figure 12.6

9. Screw the Hand Wheel into the hole on the Lateral Support Plate from the backside of the Backrest Board as shown in Figure 12.7.



Figure 12.7

10. Fine-tune the support width and angle by loosening the Wingnuts and positioning the Lateral Support Arms in the desired position and retighten the Wingnuts.
11. Refit the Back Cover by zipping it into position and securing the tab to the Backrest Board using the Velcro.
12. Refit the Backrest Pillows ensuring they are secured properly. Shape the pillows so that they fit neatly between the Lateral Support Arms as shown in

Note: If necessary, remove some stuffing from the pillows for a proper fit (see Section 8 Setting up the Chair for details).



Figure 12.8

13. Battery Pack -----

An optional battery pack enables the chair to be operated when the chair is not plugged in.

1. Check that the delivery is complete and whether any visible damage has occurred to the Battery Pack during transport.
2. Remove the packaging and identify all components:
 1. 1 x Battery
 2. 1 x Long Cable
 3. 1 x Short Cable
 4. 2 x Bolts
 5. 2 x Cable Ties

3. Ensure the chair has been unplugged from the power source.
4. Unzip the Top Cover from both sides of the chair and fold it over the Push Handle to keep it out of the way.
5. Locate the two battery mounting holes on the back of the Backrest Board as shown in Figure 13.1 and mount the Battery in the orientation shown in Figure 13.2 using the two Bolts.



Figure 13.1



Figure 13.2

6. Snip the Cable Tie that is securing the cables shown in Figure 13.3 paying attention to ensure the cables are not damaged in the process.



Figure 13.3

7. Unscrew the cable gland from the Transformer & Plug as shown in Figure 13.4.

Note: The cable gland nut is hand tight only, tools are not required to remove and may damage the chair if used.



Figure 13.4

8. Trace the cable back to the Control Box as shown in Figure 13.5 and unscrew the cable gland and remove the cable. Retain the cable for future use if the Battery Pack is no longer needed.

Note: The cable may be plugged in to any port on the Control Box, it does not matter which port it is connected to.



Figure 13.5

9. Locate the shorter cable and plug the cable into the now empty port on the control box. Secure the cable by tightening the cable gland hand tight.
10. Plug the other end of the short cable into the right-hand cable of the Battery as shown in Figure 13.6.



Figure 13.6

11. Locate the longer cable and plug the larger end into the empty port on the Transformer & Plug. Secure the cable by tightening the cable gland hand tight as shown in Figure 13.7.



Figure 13.7

12. Plug the other end of the cable into the remaining left-hand cable of the battery as shown in Figure 13.8.



Figure 13.8

13. Locate the Cable Ties. Cable Tie the short and long cables to the backrest tube as shown in Figure 13.9 ensuring some slack in the cables.



Figure 13.9

14. Take the long cable and the handset cable and cable tie them to the backrest as shown in Figure 13.10. The handset cable should be secured on the curly part of the cable to provide cable strain relief as shown in Figure 13.11.

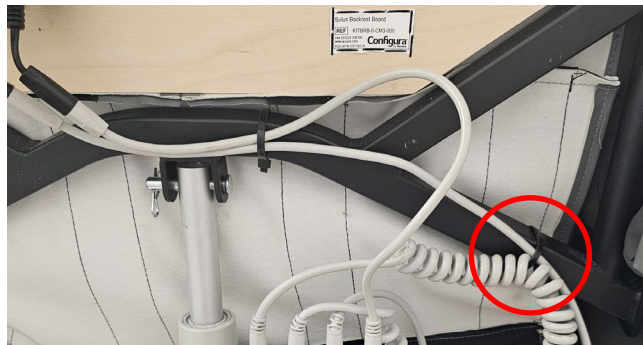


Figure 13.10



Figure 13.11

15. Unfold the Top cover and rezip on both sides of the chair.
16. Connect the Transformer & Plug to a power source.

Optical Charge Level Indicator

The Battery is equipped with an optical charge level indicator as shown in Figure 13.12.



Figure 13.12

The indicator will Flash Orange when the Battery is charging.

The indicator will be green when the battery is charged.

If the indicator is not illuminated the charging circuit may have gone into standby mode and will re illuminate once a function on the handset is pressed.

Acoustic Warning Signal

An acoustic warning signal indicates the battery state of charge is very low and the battery must be charged. This indicator will only sound when a function is being actioned.

Handset Battery Status LED

Both the Standard Handset and optional Dual Motor Handset are equipped with a Battery Status LED. Refer to Section 9 Operation.

Charging and Recharging

The battery should be fully charged prior to first use to allow maximum capacity to be reached. Once the optical Charge Level Indicator goes out the battery is fully charged.

It is necessary to recharge the battery when in storage at least every 3 months to maintain battery performance.

14. Dual Motor Handset -----

The Solus chair has an optional dual motor handset which can be used to simplify the function of the chair. This can be used if the standard Solus handset is too complex, or if the user does not require independent legrest control. Refer to Section 9 Operation for a detailed description of the functions of the Dual Motor Handset.

1. Check that the delivery is complete and whether any visible damage has occurred to the Dual Motor Handset during transport.
2. Remove the packaging and identify all components:
 1. 1 x Dual Motor Handset

3. Ensure the chair has been unplugged from the power source.
4. Unzip the Top Cover from both sides of the chair and fold it over the Push Handle to keep it out of the way.
5. Trace the handset cable back to the Control Box as shown in Figure 14.1 and unscrew the cable gland and remove the cable from the port.



Figure 14.1

6. Plug the Dual Motor Handset cable into the empty port on the Control Box and secure by tightening the cable gland hand tight.
7. Unfold the Top cover and rezip on both sides of the chair.
8. Connect the Transformer & Plug to a power source.

15. Functionality Check-----



WARNING

Functionality check **MUST** be carried out by suitably trained and qualified personnel.

Check for obstructions around, above and below the chair frame and position the chair so that it can operate through the full adjustment range without any change of obstruction or entrapment.

Always engage the castor brakes when the chair is stationary or left unattended.

These checks must be carried out after chair assembly, adjustment, or maintenance.

1. Check all cables for risk of crushing.
2. Ensure overlay zip is connected to backrest board zip.
3. Ensure overlay is connected in three places to the overlay tensioning bar.
4. Ensure the overlay Velcro is stuck to the back of the leg-rest in all three places.
5. Ensure both back covers are zipped into place.
6. Check the side pieces and arms are securely bolted to the chair.
7. Press the "Tilt in Space" button to tilt the chair backwards.
8. Press the "Raise Chair" button to tilt the chair forwards to the upright position.
9. Press the "Raise Chair" button again to raise the chair up.
10. Check the stability of the chair in its raised position.
11. Press the "Tilt in Space" button to return the chair to the upright position.
12. Press the "Raise Legrest" button to raise the legrest.
13. Press the "Lower Legrest" button to lower the legrest.
14. Check that all actions are completed smoothly and without any cables being crushed.

15. Check the correct function of the castors and that the castors do not collide with nearby parts when rotated.
16. Ensure the handset cable is routed without any snags or kinked cable.
17. Ensure the footrest height is set securely and does not slide down when downwards pressure is applied.
18. If the footplate, laterals, or other accessories are fitted, ensure they are securely in place.

16. Moving and Repositioning



WARNING

Moving or repositioning **MUST** be carried out by suitably trained and qualified personnel.

All functions **MUST** be tested and approved by a competent person after moving or repositioning.

1. Ensure the chair is in the porter position, refer to Section 9 Operation.
2. Disconnect the Plug & Transformer from the power supply.
3. Secure the Handset using one of the Handset Loops.
4. Secure the Handset Cable and the Plug & Transformer onto the back of the Top Cover using the Velcro straps as shown in Figure 16.1.



Figure 16.1

5. Ensure all four castor brakes are disengaged referring to Section 10 Using the Castor Brakes.
6. Once the chair has been moved or repositioned re-engage the Castor brakes.
7. Reconnect the Plug & Transformer to the power supply and carry out the Functionality Check referring to Section 15 Functionality Check.

17. Cleaning and Disinfection -----



WARNING

A chair can be a source of infection and we recommend that you clean it regularly.

Before cleaning the chair unplug the mains cable from the socket.

Avoid spillage of liquids while cleaning the product.

Fully check the functionality of the chair after it has been cleaned.

Cleaning Information:

To disinfect the chair, only use detergents designed for use in healthcare e.g. warm soapy water. Do not use abrasives, scourers or other materials that could damage the coating. Do not use corrosives, caustics or strong acids.

Do not use detergents that could alter the structure or behaviour of the plastics (petrol etc.).

Clean by wiping with a damp cloth.

Alternatively use Microfibre cleaning cloth without any soap. For extreme soiling use a 5% Sodium Hypochlorite solution.

The chair is not designed for maintenance in automatic chair washers or for cleaning with pressurised water, spraying, showering or steam cleaning.

Accora cannot be liable for any damage or risk of damage if inappropriate cleaning or disinfectant agents are used.

Cleaning procedure:

1. Disconnect the chair from the power supply.
2. Move the chair to where cleaning will take place and lock the chair castors.
3. Remove the Pillows and any accessories such as External Lateral Support.
4. Clean as described in the “Cleaning Information”.

18. Troubleshooting -----



WARNING

Troubleshooting **MUST** be carried out by suitably trained and qualified personnel.

Do not attempt to open any electrical part enclosures.

Do not attempt to repair any electrical parts.

All functions **MUST** be tested and approved by a competent person after troubleshooting.

Problem	Possible Solution(s)
The chair is not functioning	Ensure that the chair is plugged in. Ensure the handset is not locked, refer to Section 9 Operation.
The chair is not functioning with a battery pack connected.	Check the Battery Status LED on the Handset referring to Section 13 Battery Pack. Check the optical charge level indicator on the battery, refer to Section 13 Battery Pack. Charging will take approximately 8 hours.
The chair does not function as expected.	Reset the chair by pressing the "Home" button and the "Raise Backrest" button until 3 slow beeps are heard.
Chair will not rise	Ensure the rise mode lockout is turned off Refer to Section 9 Operation.
Backrest will not recline	Ensure the backrest lockout is disabled, refer to Section 9 Operation.
Legrest will not raise	Ensure the legrest lockout is disabled, refer to Section 9 Operation
Leg-rest board is sliding out of position even when clamped	Raise the legrest and use a 13mm socket to tighten the two bolts on the back of the board
Battery Pack Acoustic Warning is sounding	Plug the chair in to recharge the battery.

If the Solus chair still does not function correctly after following through the troubleshooting procedure, please contact Accora for further advice.

19. Storage -----

For problem-free storage we recommend:

1. Disconnect the chair from the electric supply.
2. Remove the accessories.
3. Wrap the chair and accessories or cover them so that the coating and plastic parts are not damaged.
4. Chair should be stored in a temperature between 10°C to +25°C (50°F to +77°F) for the electric version and between -20°C to +50°C (-4°F to +122°F) for the manual version.
5. Chair should be stored in a relative humidity (non-condensing) between 30% and 75%.

20. Daily Inspection -----

Daily visual inspection is strongly recommended and may be carried out by carer, user or another person.

The following checks must be carried out:

1. Does the chair operate as per its intended purpose without unexpected noise or motion?
2. Are there any signs of abuse or excessive wear?
3. Is any fabric torn or damaged? Pay particular attention to the seat overlay.
4. Check that the overlay is zipped to the backrest cover and connected to the overlay tensioning bar in 3 places. Ensure the Velcro flaps at the bottom of the overlay are secured to the back of the legrest board.
5. Are all fixtures and fittings tight and secure?
6. Does the chair frame appear stable and secure?
7. Are all accessories fitted in line with the accessory manufacturer or accessory supplier's instructions?
8. Are all the castor brakes in the locked position?

9. Are all electrical cables (including accessories, e.g. air pump) secured and routed to prevent damage?
10. Is the area around, above and below chair clear of possible obstruction?
11. If the footplate is being used, is it securely attached?
12. Are the armrests securely latched in the pre-determined width setting?
13. Is there any risk of entrapment or patient injury?
14. Are any electrical cables pinched, crushed, or damaged in any way?

If any damage, performance issue or cause for concern is noted during this inspection the chair should be withdrawn from service and appropriate steps should be taken.

21. General Maintenance -----



WARNING

Do not use the chair if it shows sign of incorrect performance. Contact Accora Customer Care.

Do not use the chair if the user or carer is aware that any parts of the chair are corroded. Contact Accora Customer Care.

Do not use the chair if the upholstery shows any sign of damage or excessive wear. Contact Accora Customer Care.

If you notice the user is not comfortable with the product, take it out service. Contact Accora Customer Care.

Maintenance on the chair must only be performed by competent persons.

We recommend the chair is checked on a weekly basis.

Place the chair on a flat surface and apply the castor brakes. Plug in the power cable and adjust the chair to an upright position. Check that the backrest fully reclines and returns to the upright position. Tilt the chair to its maximum, and return to the riser position. Adjust the chair again to the upright position. The chair is ready for use if all the

movements are smooth and no abnormalities are detected.

Check that the power cables and the handset cable are in good condition.

Check castors regularly for build-up of fluff and dirt particles.

Should you have any question regarding the maintenance of the product do not hesitate to contact Accora Customer Care.













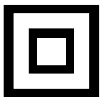
22. Guarantee -----


The Solus has a warranty period of 2 years.

23. Disposal-----

In the event of the disposal of materials from the chair, end-of-life parts must be disposed of in accordance with current environmental regulations. Take care in disposing of batteries according to local regulations.

24. Table of Symbols -----

	General warning
	General caution
	Complies with the European Medical Device Regulation 2017/745
	Complies with the Medical Devices Regulations 2002 as amended
	Model number
	Serial number
	Manufactured date
	Manufacturer
	Medical Device in accordance with EU Medical Device Regulation 2017/745
	Refer to instructions for use before using the product
	The B symbol indicates this product has a degree of protection against electric shock for type B equipment
	Do not dispose of in household waste
	Degree of protection against electric shock: Class II Double Insulated

	For indoor use only
IPX4	Degree of protection against liquid ingress
EC REP	EC Representative

25. Contact Details -----

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