

User Manual

Powered Wheelchair(Mobility Robot) M4

file number: D701000178 version number : B. 3

Write the date: 2024-6-11

Please read the manual carefully before using the product
and keep it in a safe place.

CATALOG

1

2



2.2 Optional accessories



2.3

2.4

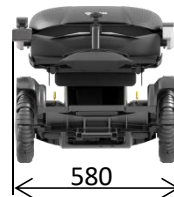
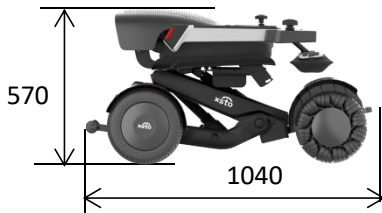
2.5

M4-H



unit:mm

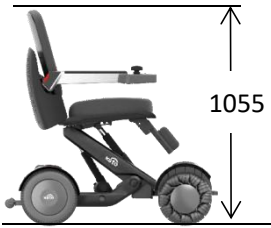
standard
state



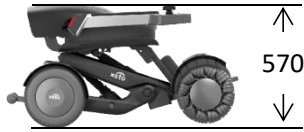
Folding



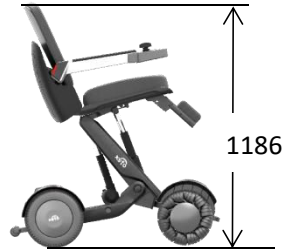
Elevated
state



standard
state



Folding

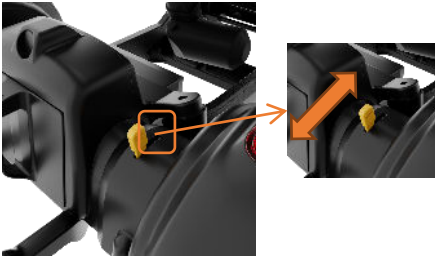


Elevated
state

2.6







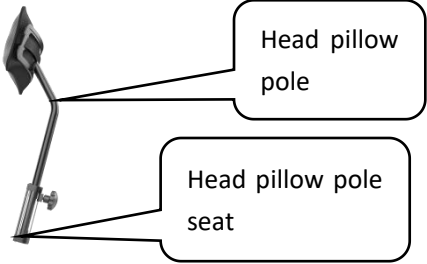
3.2.2

3.3

3.3.2







3.6

3. 6. 3

3.6.5

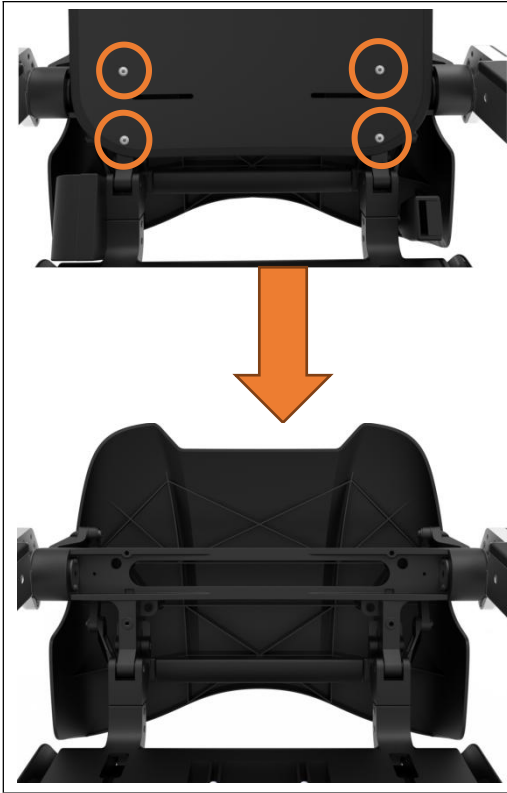
3.6.7



NOTICE——When driving up and down, the seat should handle the standard height position and should not rise to the highest state, otherwise there may be a danger of machine tipping.



3.8

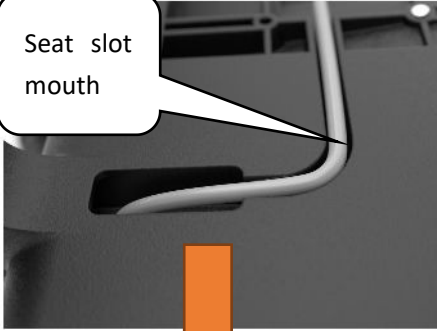


Unscrew the screws of the backrest support plate in the left picture, remove the backrest support plate, and leak out of the back frame.

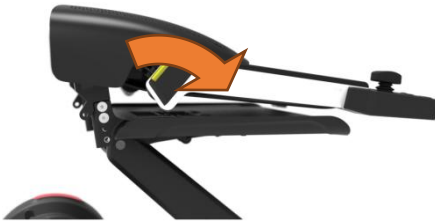


Remove the clip screws for the wire here.

Seat slot
mouth



Line the seat plate online and
move it out of the groove first.



Folding chair back,
Standard is the lowest armrest
position.



Remove the screws indicated by the arrow in the left picture first, both side of handle's need to be removed.

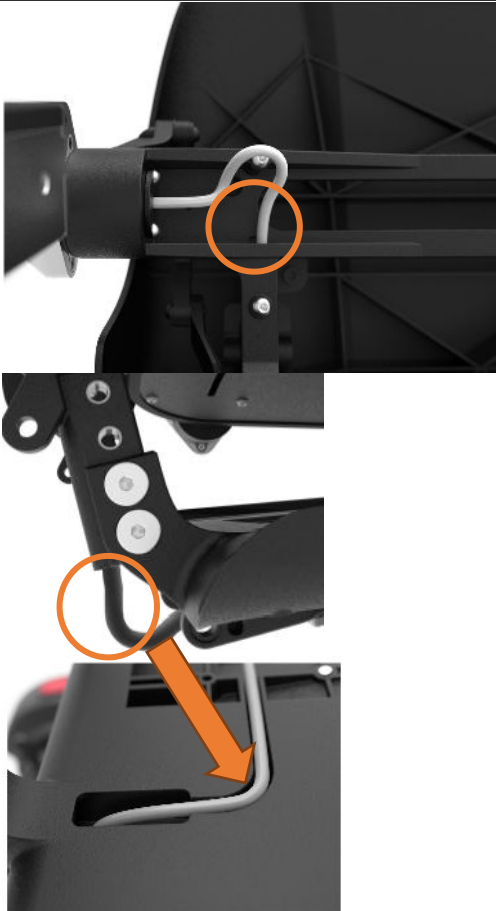


Remove the screws on the left figure

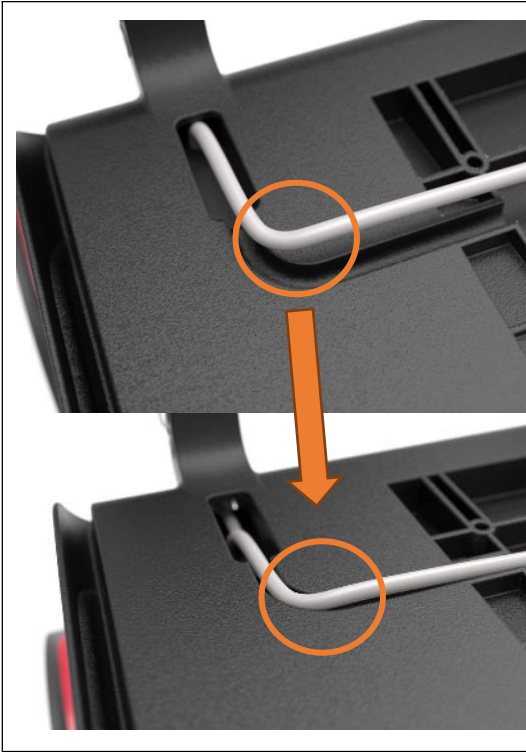




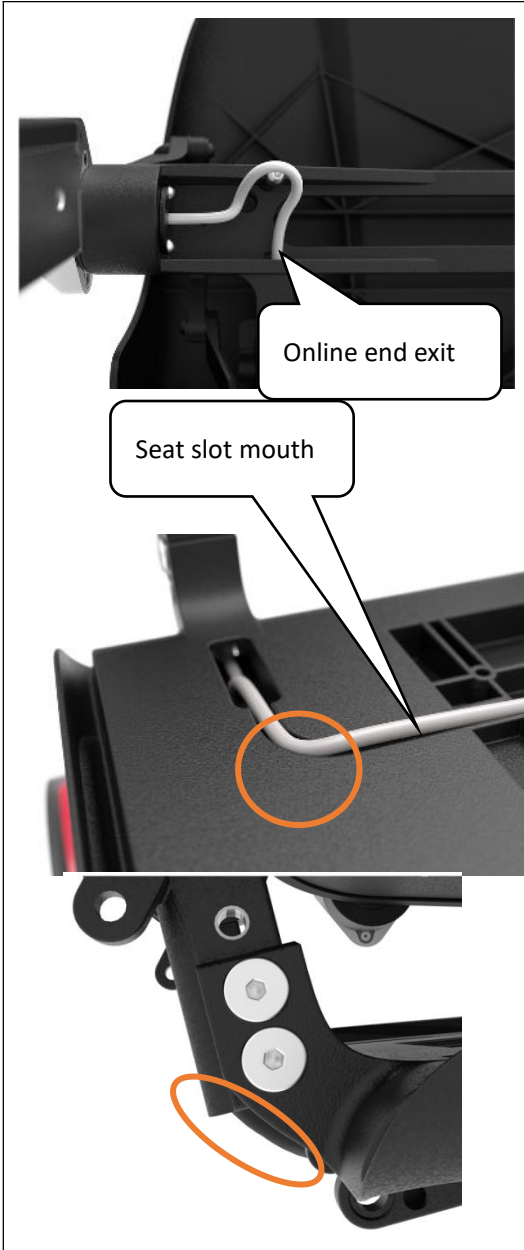
Adjust to the required height and align with the hole position. Reinstall the screws that previously removed.



Expand the back of the chair, find the position of the coil in the left picture, operate with both hands, push it down with one hand and pull down until the line length can be placed in the slot of the seat plate. The same works on the other side.

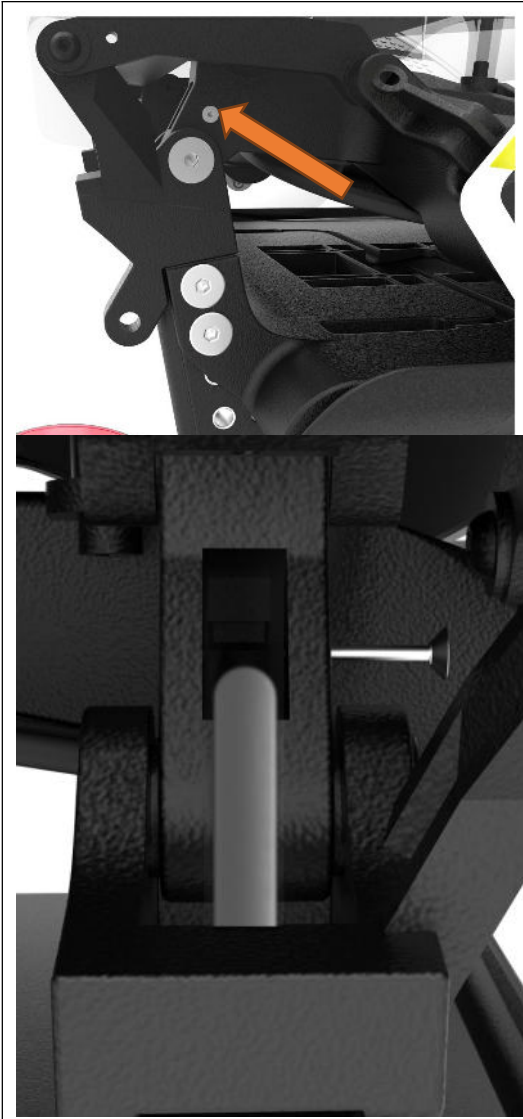


Place the line in the seat plate slot as shown.

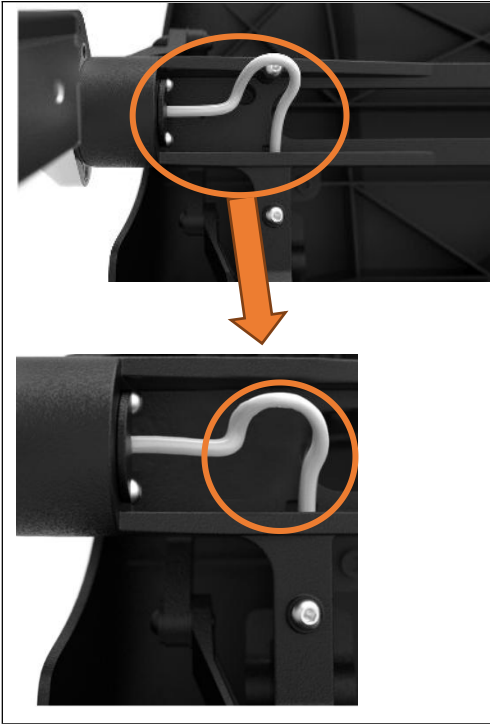


Maintain the line seat plate in the groove, pull upward at the online end exit

position that marked in the left figure, observe and press the line in the groove of the seat plate, pull the excess line length below the exit in the left figure out of the exit. In the process of pulling, press the line in the groove of the seat plate to avoid breaking the line in the groove of the seat plate. To make it as the two circle position in the left figure. The same applies to the other side of the machine.



Fold down the backrest, return the screw on the left picture. When installing, ensure that the wires are close to the lower parts, as shown in the left figure, the screws should slightly squeeze the wire



Expand the back and plug the line into the back frame.



Install the clip screws for the wire here.

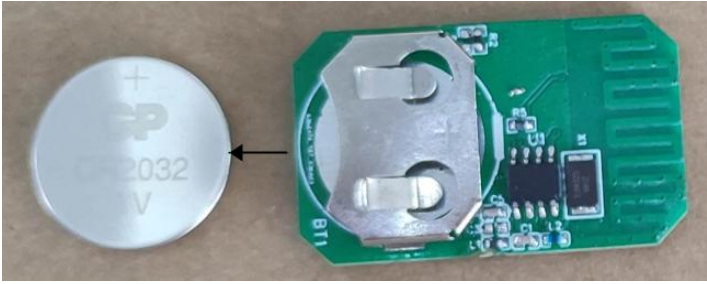


Expand the seatrest, and reinstall the original back pad and put back the cushion.

3.9

3.11

3.11.3



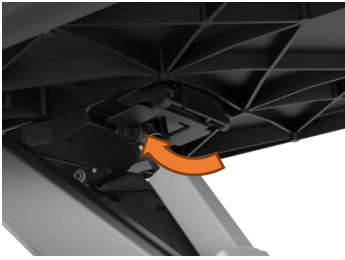
3. 12

3. 13

3.13.2



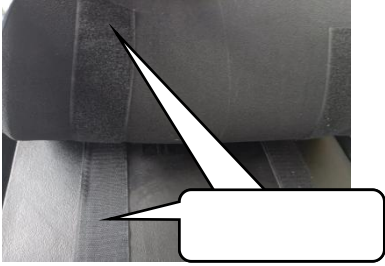




4.3.1

4.3.2

4.3.3



5.2

5.2.3

performance and shorten battery life!



NOTICE—After each use, please remember to charge!





6.4



environment!



NOTICE—When low charge, please charge in time!



NOTICE—Please remove the equipment from oil, grease, detergents, diluents or anything that may be damaging!



Warning—Except for seat cushion and backrest, if the parts are worn or need to be replaced, contact the dealer or the equipment may be damaged and operable.



Beware—That the wheelchair should be turned off prior to entering or exiting the wheelchair;



Beware—The wheelchairs may risk stopping suddenly at any time during operation;



Beware—The driving performance of a wheelchair may be affected by electromagnetic fields, such as those generated by a generator or high-power source



Beware—The distance you can park on a slope can be much greater than the distance you can park on flat ground

7.2

7.3

7.4

8.2







User registration agreement and privacy policy

The app protects your personal information and guarantees that it will collect, use or disclose your personal information only in accordance with the legal etc, legitimate and necessary principles and will not collect any personal information irrelevant to the provision of products and services. Be sure to select that you have read and agree with the [User registration agreement](#) and [privacy policy](#) .If you do not agree with our user registration agreement and privacy policy, your use will be affected. You may choose to cancel your registration to the application and exit.

AGREE

CANCEL



 Please enter email number

 Password (6~12 letters + numbers) 

Verification code login

Login

[Account registration](#) | [Forgot password](#)

Read and agree [《The User Registration Agreement》](#) And [《Privacy Policy》](#)





✉ Please enter email number

🔒 Password (6~12 letters + numbers) 

Verification code login

Login

[Account registration](#) | [Forgot password](#)

Read and agree [《The User Registration Agreement》](#) And

[《Privacy Policy》](#)

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XSTO

Bluetooth Search for New Device

Equipment List

XSTO9C2CB8

Bluetooth Unconnected



home



seat



trends



mine

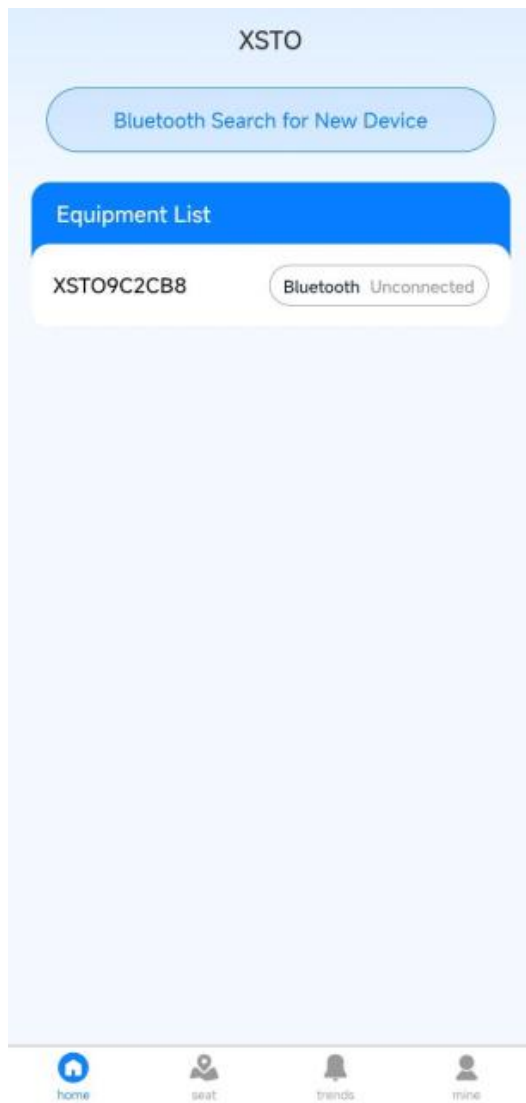


Figure 9.11 A Bluetooth search for a new device interface

Disconnect

XSTO9C2CB8



Off



Total mileage: 123.456KM

N



Standard mode

Lock the car

One click expansion

Remote Control



home



seat

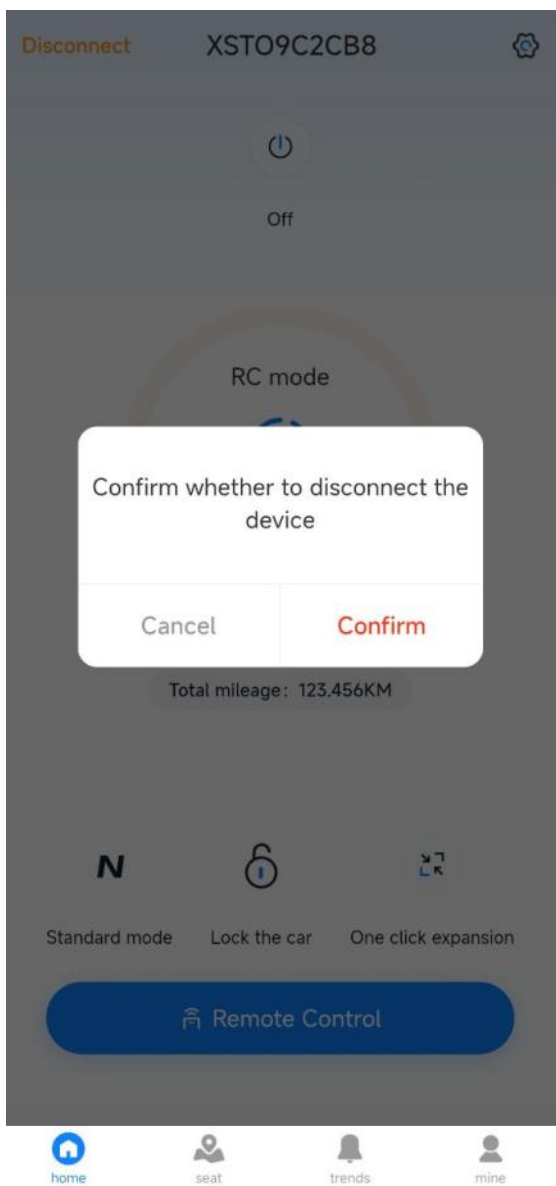


trends



mine

9.3



XSTO

Bluetooth Search for New Device

Equipment List

XSTO9C2CB8

Bluetooth Unconnected



home



seat



trends



mine

9.3.3

9.3.3.1 General settings



Voice Settings

Open Voice Prompt



Turn on Voice alarm



Volume



Low gear

Mid range

high-grade

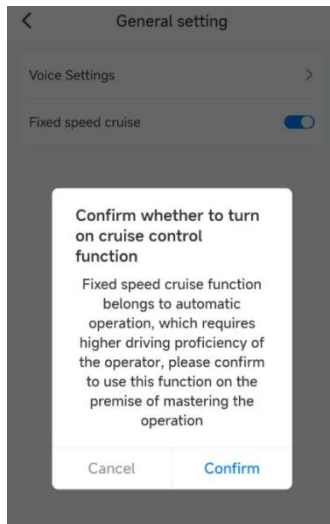




Figure 9.20 Battery information

9.3.3.3 Device version



Device Version



Current version0

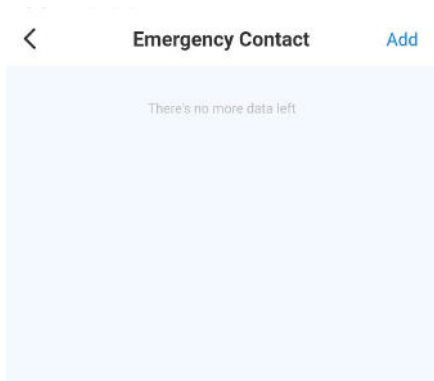
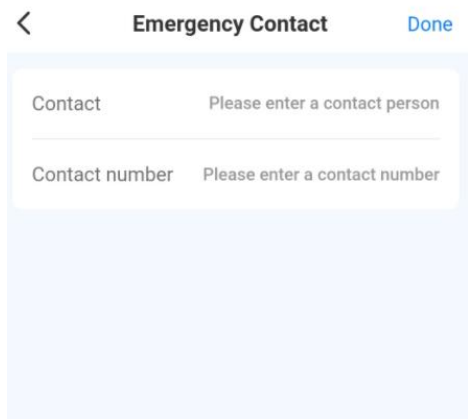


Figure 9.22 Emergency contacts



Disconnect XSTO9C2CB8 



Off




RC mode



Enabled

[Continue](#)

Total mileage: 123.456KM

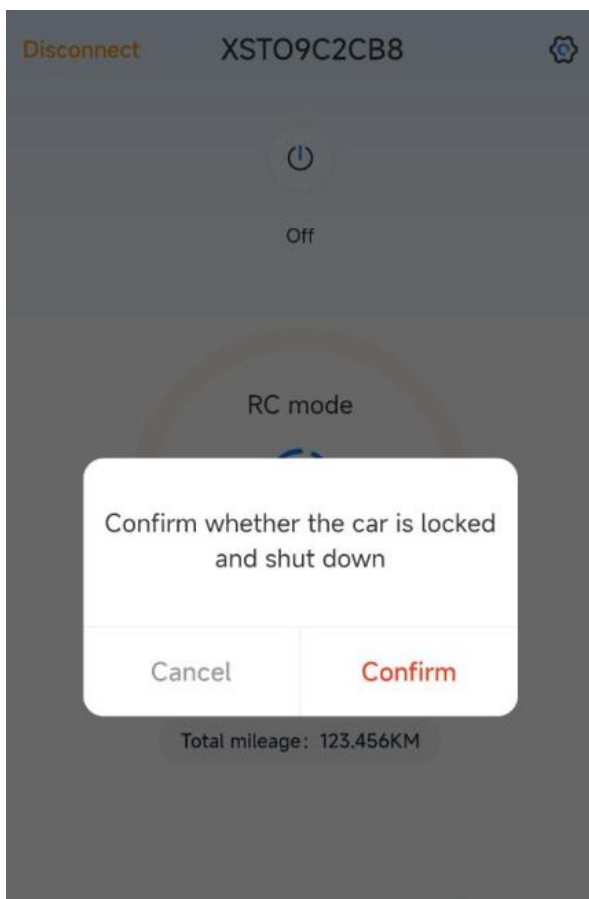
  

Sports mode Lock the car One click expansion

[Remote Control](#)

 home  seat  trends  mine

9.3.6




Disconnect XSTO9C2CB8 



Off




RC mode



Enabled

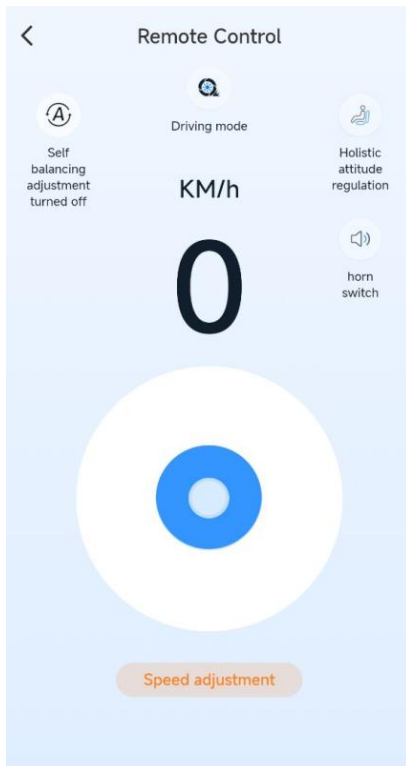
[Continue](#)

Total mileage: 123.456KM

Sports mode Lock the car One click expansion

[Remote Control](#)



the interface will switch to the seat adjustment interface in Figure 9.30.



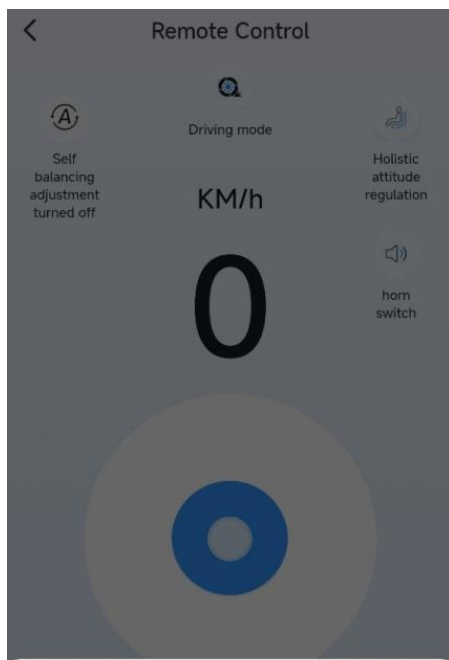


Seat Adjustment

Seat rising



9.3.8.4 Virtual operation rocker



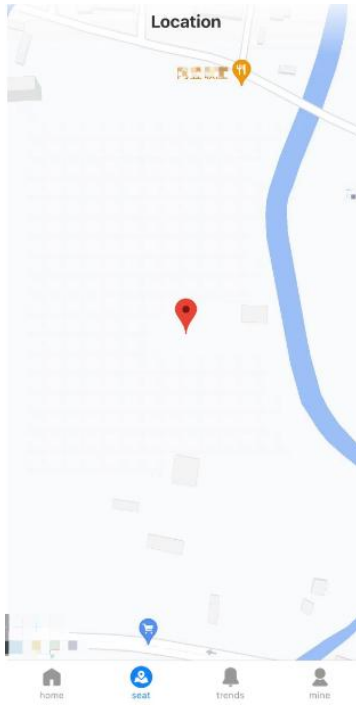
Slide adjusting speed gear



Cancel

Confirm

9.3.10



Dynamic

Equipment Introduction

Company Profile

Brar

Equipment Introduction

9. 3. 11. 2 Company profile

9.3.12

9. 3. 12. 1 My information



Log off account

Fill in and submit the cancellation application, and the staff will assist you in completing the cancellation. After you voluntarily log out, we will stop providing you with products/services, delete your personal information or anonymize it according to applicable laws

[Fill in the Cancellation Application](#)



Feedback type

Product...

Functional...

Other Issues

Problem Description (0/300)

The more detailed the problem description, the faster we can solve the problem



Please upload app screenshots, Max upload 6 Zhang

Submit feedback

《XSTO》 User Service Agreement

The 《XSTO》 User Service Agreement will help you understand the following content:

- 1、 Introduction
- 2、 Service Description
- 3、 Service usage rules
- 4、 Upload and share user content
- 5、 User Personal Information Protection
- 6、 Intellectual Property
- 7、 Advertising, third-party links
- 8、 Limitation of Liability
- 9、 Change and Termination of Services
- 10、 Account cancellation
- 11、 Minors clause
- 12、 Notification
- 13、 Contact information
- 14、 Other

1、 Introduction

1.1 This agreement is between the user (hereinafter referred to as "you") and the Zhongshan Xiaoshentong Innovation Technology Co., Ltd (hereinafter referred to as "Xiaoshentong"), and the Xiaoshentong will strictly provide products and/or services in accordance with the terms of this agreement. The terms of this agreement constitute a prerequisite for your use of the products and/or services provided by the Xiaoshentong and their derivative services. You sha



Privacy Policy

Updated on: June 16, 2023

Effective date: June 16, 2023

This policy applies to XSTO App products or services (hereinafter referred to as "this application")

This privacy policy section will help you understand the following:

- 1. Definition and Scope of Application**
- 2. How do we collect and use your information;**
- 3. How do we use cookies and similar technologies;**
- 4. How do we share, transfer, and publicly disclose users' personal information;**
- 5. How do we protect the information security of users;**
- 6. How do you manage personal information;**
- 7. How do we handle information about minors;**
- 8. How your information is transferred globally;**

9. 3. 12. 6 Check the update

or any others to comply with this rule.

- Caution: Manufacturer will not responsible for any unauthorized actions that cause interference.

- Caution: The M4 Mobility Robot cannot be used together with HF SURGICAL EQUIPMENT.

Table 1

Guidance and Manufacture’s Declaration – Electromagnetic Emission			
The M4 Mobility Robot is intended for use in the electromagnetic environment specified below. User should assure that it is used in such an environment.			
Emissions Test	Compliance	Electromagnetic Environment	Guidance
RF emissions CISPR 11	Group 1		The M4 Mobility Robot uses RF energy only for its internal function. Its RF emissions are very low and are not likely to cause any interference in nearby electronic.
RF emissions CISPR 11	Class B		The M4 Mobility Robot is suitable for domestic establishments and those directly connected to the public low-voltage power supply network.
Harmonic emissions IEC 61000-3-2	Class A		
Voltage fluctuations/flicker emissions IEC 61000-3-3	/		

Table 2

Guidance and Manufacture’s Declaration – Electromagnetic Immunity			
The M4 Mobility Robot is intended for use in the electromagnetic environment specified below. User should assure that it is used in such an environment.			
Immunity Test	IEC60601 Test Level	Compliance	Electromagneti

		Level	c Environment - Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8kV contact ±2kV, ±4kV, ±8kV, ±15kV air	±8kV contact ±2kV, ±4kV, ±8kV, ±15kV air	Floors should be wood, concrete or ceramic tile. Humidity should be at least 30% if it is synthetic materials.
Electrical fast transients/bursts (EFT) IEC 61000-4-4	±2kV 100kHz repetition frequency	±2kV 100kHz repetition frequency	Main power quality should be that of a typical commercial or hospital environment.
Surges IEC 61000-4-5	±0.5kV, ±1kV line-to-line ±0.5kV, ±1kV, ±2kV line-to-ground	±0.5kV, ±1kV line-to-line ±0.5kV, ±1kV, ±2kV line-to-ground	
Voltage dips IEC 61000-4-11	0 % UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°	0 % UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°	Mains power quality should be typical commercial or hospital environment. UPS power is recommended if this device needs to be used
	0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0°	0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0°	
Voltage	0% UT; 250/300	0% UT;	

interruptions IEC 61000-4-11	cycle	250/300 cycle	continuously.
RATED power frequency magnetic fields IEC 61000-4-8	30A/m 50Hz or 60Hz	30A/m 50Hz or 60Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
IMMUNITY to proximity magnetic fields IEC 61000-4-39	65A/m, Modulation: Pulse modulation, 2.1KHz Test frequency:134.2KH z; 7.5A/m, Modulation: Pulse modulation, 50KHz Test frequency:13.56MH z; See Table 6	65A/m, Modulation: Pulse modulation, 2.1KHz Test frequency:134.2 KHz; 7.5A/m, Modulation: Pulse modulation, 50KHz Test frequency:13.56 MHz; See Table 6	--

Note: UT is the A.C. mains voltage prior to application of the test level.			

Table 3: Guidance & Declaration - electromagnetic immunity concerning Conducted RF & Radiated RF

Guidance & Declaration - Electromagnetic immunity			
The M4 are intended for use in the electromagnetic environment specified below. The customer or the user of the M4 should assure that they are used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz 6 Vrms in ISM bands	3 Vrms 150 kHz to 80 MHz 6 Vrms in ISM & amateur radio bands	Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the M4, including cables specified by the manufacturer. Otherwise, degradation of the
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz 385MHz-5785MHz Test specifications for ENCLOSURE PORT	20V/m 26MHz to 25GHz 10 V/m 80 MHz to 2.7 GHz 385MHz-5785MHz Test specifications for ENCLOSURE	

	<p>IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014+A1:2020)</p>	<p>PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014+A1:2020)</p>	<p>performance of this equipment could result.</p>
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Table 4 -Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

Test frequency (MHz)	Band ^{a)} (MHz)	Service ^{a)}	Modulation	IMMUNITY TEST LEVEL (V/m)
385	380 to 390	TETRA 400	Pulse modulation ^{b)} 18 Hz	27
450	430 to 470	GMRS 460, FRS 460	FM ^{c)} ± 5 kHz deviation 1 kHz sine	28
710	704 to 787	LTE Band 13, 17	Pulse modulation ^{b)} 217 Hz	9
745				
780				
810	800 to 960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	Pulse modulation ^{b)} 18 Hz	28
870				
930				
1 720	1 700 to 1 990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation ^{b)} 217 Hz	28
1 845				
1 970				
2 450	2 400 to 2 570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation ^{b)} 217 Hz	28
5 240	5 100 to 5 800	WLAN 802.11 a/n	Pulse modulation ^{b)} 217 Hz	9
5 500				
5 785				
If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.				
^{a)} For some services, only the uplink frequencies are included.				
^{b)} The carrier shall be modulated using a 50 % duty cycle square wave signal.				
^{c)} As an alternative to FM modulation, the carrier may be pulse modulated using a 50 % duty cycle square wave signal at 18 Hz. While it does not represent actual modulation, it would be worst case.				

Table 5 - Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields


Test frequency	Modulation	IMMUNITY TEST LEVEL (A/m)
30 kHz ^{a)}	CW	8
134,2 kHz	Pulse modulation ^{b)} 2,1 kHz	65 ^{c)}
13,56 MHz	Pulse modulation ^{b)} 50 kHz	7,5 ^{c)}
^{a)} This test is applicable only to ME EQUIPMENT and ME SYSTEMS intended for use in the HOME HEALTHCARE ENVIRONMENT.		
^{b)} The carrier shall be modulated using a 50 % duty cycle square wave signal.		
^{c)} r.m.s., before modulation is applied.		

EU Declaration of Conformity

according to the REGULATION (EU) 2017/745 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Doc. No.: XSTO-CE-T02-008-01

Manufacturer:	XSTO CO., LTD. Floor 1, Building C, 555 Plant, Ma'an Cun Rd, Cuiheng New District, Zhongshan City, Guangdong Province, China
Address:	
Single Registration Number (SRN) of the Manufacturer:	CN-MF-000018902
Authorised representative (AR):	Share Info GmbH Heerdter Lohweg 83, 40549 Düsseldorf
Address:	
Single Registration Number (SRN) of AR:	DE-AR-000005132
We, the manufacturer, declare under our sole responsibility that:	
the medical device(S)	Product Name: Mobility Robot
	Type/model, identification of product allowing traceability (Where applicable): M4, M4U
	EMDN Code: Y122124 CARROZZINE ELETTRICHE <i>The Mobility Robot is a motor driven transportation suitable for medical institutions or families as people with mobility difficulties.</i>
	Intended Purpose:
	Classification: (Annex VIII of the MDR) Class I Medical Device according to rule 13
	Basic UDI-DI: 697505265M4YV
	Conformity assessment procedure: EU Declaration of Conformity + Technical Documentation (Annex II)
	Applied harmonized standards and Common Specification: <i>Refer to the Appendix I for details.</i>
	Notified Body: --
	Address: --
Notified Body number: --	
Certificate(s) number: --	
Expire date of the Certificate: --	
Start of CE Marking: --	




The product concerned has been manufactured under a quality management system according to Annex IX of Regulation (EU) 2017/745.

The above-mentioned declaration of conformity is exclusively under the responsibility of the manufacturer.

XSTO CO., LTD.

Floor 1, Building C, 555 Plant, Ma'an Cun Rd, Cuiheng New District, Zhongshan City, Guangdong Province, China



Appendix I: Applied harmonized standards and Common Specification

is/are in conformity with the relevant provisions and requirements of the Council and the parliament regulation (EU) 2017/745 for medical device and all applicable harmonized standards and Common Specification. All supporting documents are retained under the premises of the manufacturer.

Applied harmonized standards and Common Specification

Regulation (EU) 2017/745:2023	EN ISO 10993-5: 2009
MEDDEV 2.7/1 rev.4:2016	EN ISO 10993-10: 2023
MEDDEV2.12/1-rev.8:2013	EN ISO 10993-23: 2021
EN ISO 14971: 2019/A11: 2021	EN 62366-1: 2015+AC:2015+AC:2016+A1: 2020
ISO/TR 24971: 2020	EN 60601-1-6: 2010+A1:2015+A2:2021
EN ISO 13485: 2016+AC: 2018	EN 12184: 2022
EN 20417: 2021	EN 62133-1:2017
EN ISO 15223-1: 2021	EN 60601-1-2: 2015+A1:2020
EN ISO 10993-1: 2020	EN 62304:2006/A1:2015

This DoC is valid from 2024.02.04.

Authorized by:

Yang Zhao



Signature (on behalf of the manufacturer)

Position: General Manager


Rev. 1.0

Signed on: 2024.02.04

Place: Zhongshan, China




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Zhongshan City, Guangdong, China