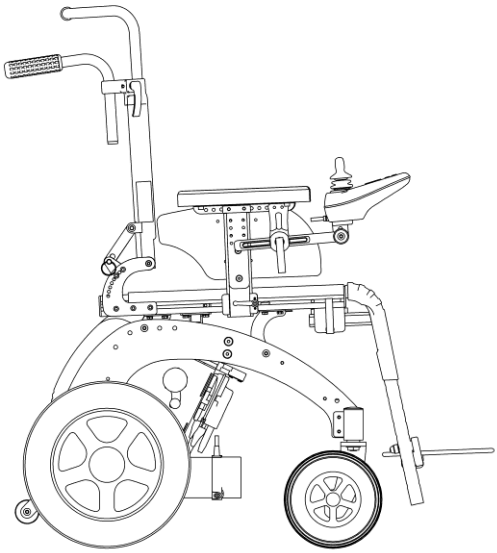
PEGASUS



USER MANUAL

with CE Mark Statement

DECLARATION OF CONFORMITY

CE

The manufacturer

Neatech.it

4/A A. De Curtis St. 80040 Cercola (NA), Italy

under its responsibility, states that

the wheelchair Pegasus Evo

satisfies the conditions laid down by European Directive 93/42;

according to the criteria for classification of annex IX of this Directive, the Pegasus Evo is classified as

class I medical device

It also complies with the requirements of the harmonized standards:

UNI EN 12182 Ausili tecnici per persone disabili

UNI EN 12184 Sedie a rotelle a propulsione elettrica, motorette e loro sistemi di carica

Table of contents

TIPPING HAZARD

Any transport on a slope greater than the maximum security slope can be dangerous.

ELECTROMAGNETIC RADIATION DANGER

The behavior of the wheelchair while driving may be affected by electromagnetic fields such as mobile phones and other devices.

It is recommended to avoid the use of the wheelchair in the presence of such devices.

TEMPERATURE

The temperature of some surfaces may increase when the chair is exposed to external heat sources as sunlight.

DISPOSING

This product and all its components can not be treates as household waste. For more detailed information on how recycling and disposal this product contact your local waste disposal service.

1. PEGASUS EVO PRESENTATION

Thank you for purchasing the electronic wheelchair Pegasus Evo. Pegasus Evo was designed to be used mainly outdoor.
The aeronautical technology, used to manufacture all Neatech.IT products, made possible to create rigid and foldable frame highly customizable and reliable. Frame and canvas are available in different colors.

Characteristic

- Adjustable armrests
- Adjustable footrest
- Customizable colors
- Electronic tilting
- Maximum speed 15 km/h
- Elevating seat
- Reclining backrest
- Range of 35 km
- Fully charged in 7 ore
- Maximum slope 18%

WARNING: It is prohibited to use wheelchair or its parts for any purpose other than that indicated; for a correct use please follow the instructions given in this manual. **NEATECH.IT disclaims any responsibility for damages caused by improper use of aids**

2. STARTING UP

Checks to be made on delivery

- Check the integrity of the original packaging.
- Check for any anomalies on the shipping documents.
- Check the functionality and integrity of the device in all of its parts, at the time of or immediately thereafter, to ensure that no damage is caused by a careless transport.
- Make sure the surface of the device is not damaged, scratched, bended, etc.
- Any fault or damage found must be immediately reported on the shipping documents and promptly communicated to the carrier. For any other questions, please contact the manufacturer.
- If you don't want to use the Pegasus Evo for a long time, store it in a safe place frre from dust and moisture.

Inside the box there is:

Pegasus Evo wheelchair
N. 1 pair of footrests
N. 1 pair of armrests
N. 1 joystick
N. 1 Charger
Documentation and manuals

PACKAGING DIASPOSAL
To properly recycle the packaging materials follow the instructions provided by your local waste disposal service.

2. STARTING UP

Connection of the Joystick

Connect the cable of the joystick as shown in Figure 1. Make sure it is fully engaged. If it appears difficult to insert the connector try to invert and reinsert

Figure 1

Transport and storage

If you don't use the Pegasus Evo for a long time make sure you set the switch (I) OFF as shown in Figure 2. You should keep the Pegasus Evo in a place free from dust and moisture and away from heat sources.

If you must ship the Pegasus Evo, turn off the switch (I), unplug the joystick and remove the footrests and armrests.

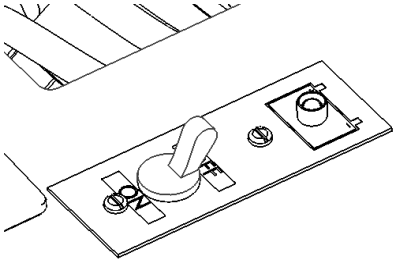


Figure 2

3. USE OF THE WHEELCHAIR

Checks before use

For a safe use and to avoid any situations of risk to the user before using the product perform the following checks .

- **Checking tire pressure**
  Verify that the tire pressure is consistent with the values given in table

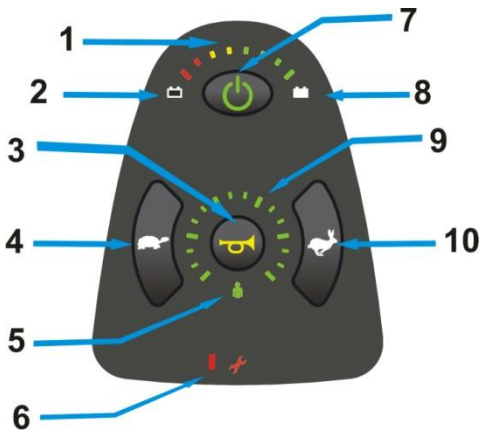
Front wheels	3,0 bar
Rear wheels	1,5 bar

- **Checking battery charge level**
  Check the battery charge level on the indicator located on the joystick. (N.1 in **Errore. L'origine riferimento non è stata trovata.**)
- **Check of electric cables**
  Check that the wires don't constitute a hindrance to the movements of the wheelchair..

Please follow these advices for safe use and long lasting of the wheelchair.
Prevent extended contact with the water, this may cause oxidation of the metal and the change in the characteristics of the used materials.
Prevent long exposure to sunlight.
Practice with the guidance of the wheelchair in a safe and free of obstacles place.
Initially adjust the control device to the low speed.

3. USE OF THE WHEELCHAIR

Control console



1. Battery level
2. Low battery indicator
3. Beeper
4. MIN speed selector
5. Remotely controlled joystick indicator
6. Error indicator
7. On-off button
8. Fully charged battery indicator
9. Speedometer
10. MAX speed selector
11. Controller

Figure 3

Figure 4

NOTA: it is possible that the control console of the Pegasus Evo is different depending on the accessories chosen. Main controls remain unchanged .

3. USE OF THE WHEELCHAIR

Powered mode

Set the release engine lever located in the back of Pegasus Evo as shown in Figure 5. In this configuration, wheels are normally brake. Use the switch (I), see Figure 2, to turn on and turn off the Pegasus Evo.

Figure 5

Seeing Figure 5 use the button 6 to turn on the command console. Use button 4 and 10 to select the travel speed. Chosen level is shown by the indicator 9.
Use the controller 11 to get in gear. Its proportional functionality allows you to adjust speed and direction according to the intensity with which you act on the controller.
By re leasing the lever of the controller automatically starts the electromagnetic brake that looks the wheels of the Pegasus Evo.

Don’t turn on or turn off the command console while the wheelchair is moving.

3. USE OF THE WHEELCHAIR

Push mode

If you need to use the push mode use switch (I), see Figure 2 to turn off the Pegasus Evo and set the release engine lever as shown in Figure 6.

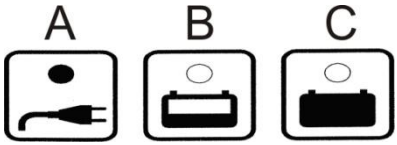
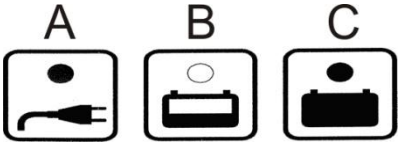
Figure 6

In the push mode electromechanical brakes are off and therefore use of the Pegasus Evo in presence of slopes may be dangerous.

3. USE OF THE WHEELCHAIR

Charge of the batteries

To recharge the batteries use only the provided charger. The manufacturer is not responsible for damage to person or property resulting from the use of non original product

Connect the power cord to a power supply 230 V. If the led A doesn't turn on check the voltage and the fuse inside the charger.	
Connect the cable to the joystick as shown in figure. All led of the charger light up and after a second led C turns off and the charge starts. If not, check the connections made.	
Battery correctly loaded. Unplug the power cord and the battery cable.	

3. USE OF THE WHEELCHAIR

It is recommend to charge the batteries when the indicators 1 in Figure 3 are red. Each battery is subject to a normal "self discharge", so batteries that are not used for long time will discharge by itself.
Charging time is influenced by multiple factors such as remaining battery power, battery state of aging and temperature. However the approximate charging time is about 7-9 hours. If the charge duration was reduced (about 1 hour), that is a sign of failure: contact the vendor for a possible replacement of batteries.
Don't use the wheelchair during the charge.

SHOCK HAZARD
Check if charger data sheet matches with the network power (voltage, frequency).

RELEASE DANGER
Any impact to the batteries could cause a loss of fluids. Pay attention

ENVIRONMENTAL HAZARD
It is recommended to properly recycle used batteries. Contact your local agency for waste disposal for more information.

4. ADJUSTMENTS

Armrest

It is possible to make several adjustments on the armrests: height, width and depth of the aid and position of the joystick. Shown operations can be performed on both armrests.

- **Height**

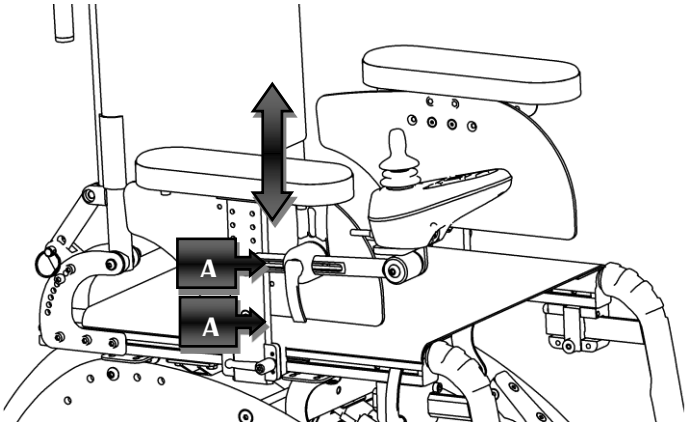


Figure 7

Seeing Figure 7, loosen the screws (A), and set armrests height to desired value and retighten the screws (A).
NOTE: for this operation use a 6 mm allen wrench.

4. ADJUSTMENTS

- **Depth**

To adjust armrests depth and width act under the seating floor as shown in Figure 8.

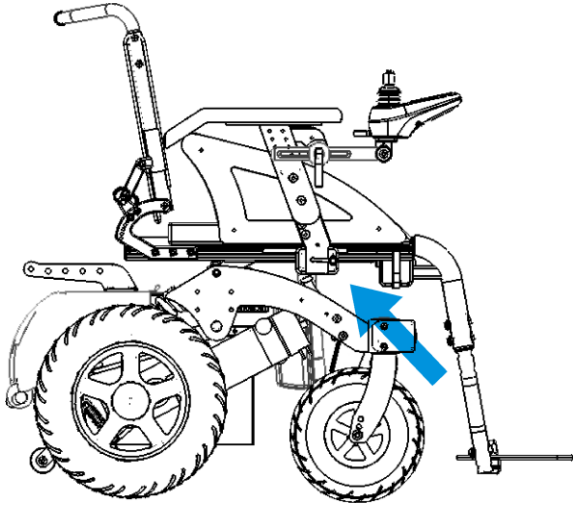


Figure 8

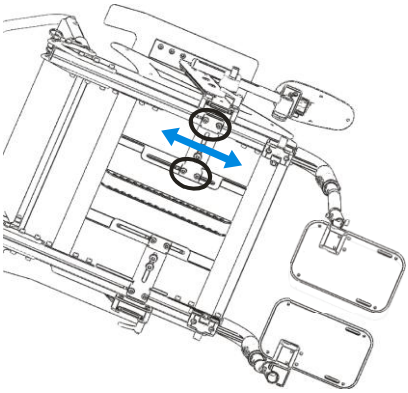


Figure 9

Loosen the 4 screws indicated in Figure 9 and move the armrest till the desired position; tighten the screws again. Be sure that the armrest can't move at all.
NOTE: for this operation use a 10 mm open-end wrench.

4. ADJUSTMENTS

Joystick

Loosen the lever (L), as shown in Figure 10, so it is possible to move the joystick in accordance with the directions indicated to reach the desired position. Retighten the lever.

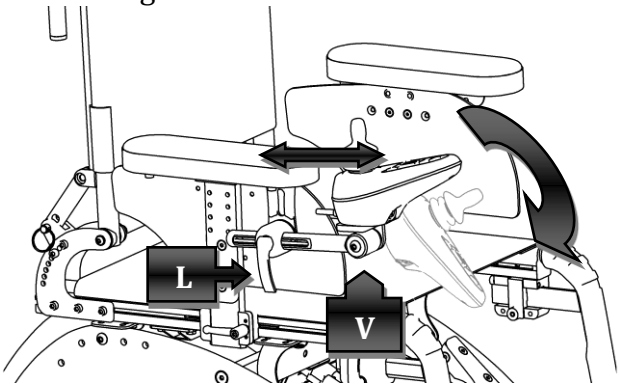


Figure 10

Footrests height

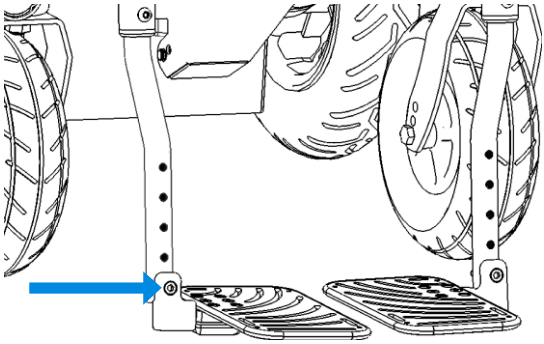


Figure 11

Unscrew the pin shown in Figure 11 to release the footrest. Choose the desired height aligning the footrest to one of available holes. NOTE: for this operation use a 6 mm allen wrench and a 13 mm open-end wrench.

4. ADJUSTMENTS

Footrests inclination

Loosen the screws shown in Figure 12, so it is possible to adjust footrest inclination: rotate it to reach the desired position. Tighten the screws again.

NOTE: for this operation use a 4 mm allen wrench.

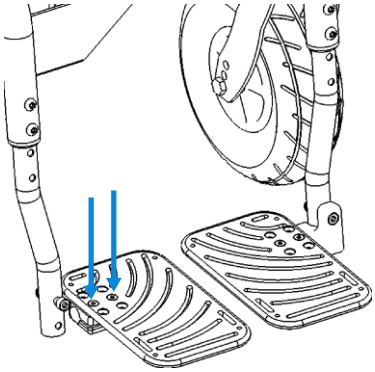


Figure 12

Footrests depth

Unscrew the screws shown in Figure 12, put the footrest in one of three positions shown indicate in Figure 13. Tighten the screws again.

NOTE: for this operation use a 4 mm allen wrench.

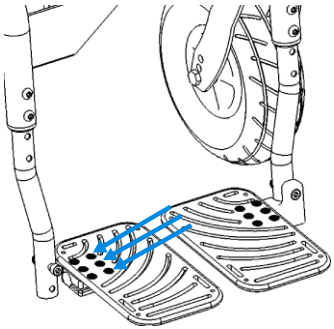


Figure 13

4. ADJUSTMENTS

Backrest depth

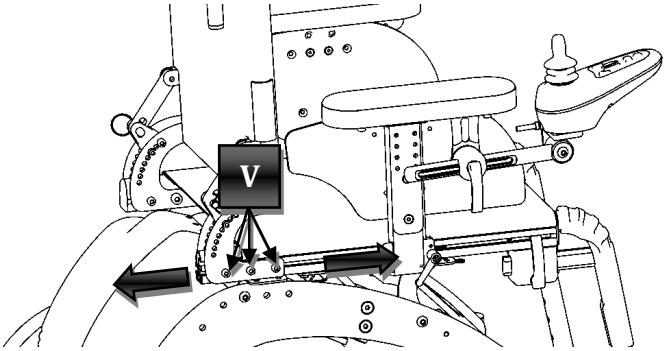


Figure 14

Seeing Figure 14 loosen the screws (V), move the backrest to the desired position and tighten the screws again.
NOTE: for this operation use a 4 mm allen wrench.

Backrest inclination

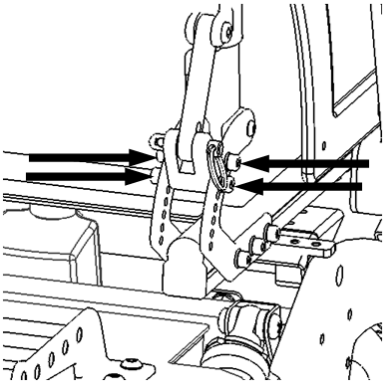


Figure 15

Remove the screws shown in Figure 15 on both sides (total 8 screws), incline the backrest to the desired position and put the screws again
NOTE: for this operation use a 4 mm allen wrench.

5. ACCESSORIES

Pegasus Evo can be equipped with many accessories that NEATECH make available to meet different customer's needs. There is the possibility that the joystick changes depending on desired accessories.

Removable flip-up adjustable active footrests

With this equipment, you can adjust the inclination of the footrests with the aid of the joystick.
Controller allows you to select the type of movement (only left footrest, only right footrest, both footrests).

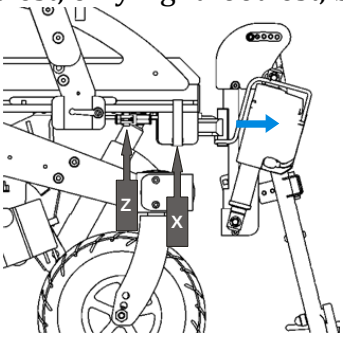


Figure 16

To extract the electronic footrest unhook the connector (Z), (X) and pull in the direction of the arrow.

Removable flip-up adjustable footrests

With this device you can adjust the inclination of the footrest.
Seeing Figure 16 loosen the pin (Z) and move the platform to the desired height. Retighten the pin (Z).

5. ACCESSORIES

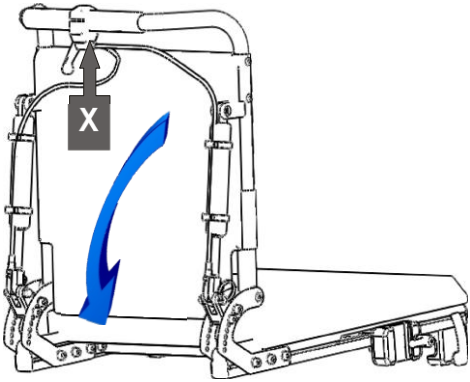


Figure 17

Dynamic reclining backrest

This equipment allows you to recline the backrest with the help of a lever installed on the back. Pull the lever (X) and recline the backrest to the desired inclination, so release the lever (X).

Powered reclining backrest

With the aid of two electronic pistons user can recline the backrest with the joystick

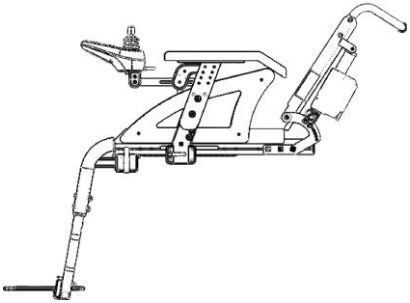


Figure 18

Figure 19

Side pad right - left

It is an adjustable support thath acts laterally on the chest of the user to keep the desired position. It can be mounted either in pairs or individually.

5. ACCESSORIES

Figure 20

Adjustable headrest

It is a headrest mounted on the back; you can adjust either height and inclination. With a pin you can also rotate it.

Powered seat lift and tilt

(max 300mm/0°-30°): with this device the user can vertically lift and tilt the seat controlling its running with the joystick.

During tilting operations make sure that your elbows rest on the armrests to eliminate risk of entrapment

5. ACCESSORIES

Transparent table with mounting brackets

This table is designed to provide a wide usable area and at the same time to offer support to rest the arms. It is adjustable in different positions and requires a simple assembly.

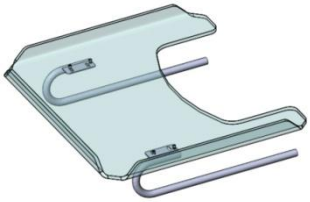


Figure 21

Seat belt

Speedstar has the predisposition for the installation of a seat belt that can be mounted on request.

You can also request**: heel straps, calf straps and foot straps.**

6. CONTROL AND MAINTENANCE

Specifications

Maximum allowed mass	125 kg
Intended use	Pegasus Evo is intended for all those groups of users that are confined to a sitting position who have the opportunity and the need to travel autonomously in areas predominantly inside with the possibility of overcome some external obstacles. The wheelchair cannot be used as a seat on motor vehicles.
Working temperature	da -10 °C a 40 °C
Class (UNI EN 12184)	Classe B
Dimensions [mm]	width 61cm lebgth 72cm heigthaltezza 90cm
Empty weights [kg]	68kg
Inclinazione massima di sicurezza [°]	18%
Maximum height of the platform from which the chair can descend safely [mm]	50mm
Autonomia su percorsi piani [km]	35km
Batteries	2 batteries ZGL 12054 12 V 45Ah

6. CONTROL AND MAINTENANCE

Maintenance and cleaning

Regular maintenance help to preserve functionality and safety of the Pegasus Evo. The lack or inadequacy of care and maintenance implies a limitation of the warranty from the manufacturer.

To clean the chair don't use any device to spray water at high pressure and in any case protect the control device from water and humidity. For plastic or metal parts use a soft cloth moistened with a non-aggressive detergent. For pads, linings and covers of the seat and backrest use warm water and mild detergent.
Do not use chemical cleaners, solvents, acids, etc
Tires can be cleaned with water and detergent.

OPERATION	PERIODICITY
Checking tightness of chassis screws **For this operation contact your vendor**	Annual
Replacing the batteries **For this operation contact your vendor**	Biennial
Tire pressure monitoring	Weekly
Checking of tire usury	Monthly
Complete cleaning	Monthly

7. FAULT, REPAIR AND ASSISTANCE

POSSIBLE FAULT	PROBABLE CAUSE	ACTION
Joystick does not turn on	power button is set to OFF	set power button to ON (see Figure 2)
	joystick cable not properly inserted	insert properly joystick cable
	batteries are low	charge batteries
	electrical fault	contact assistance
Joystick is turned on but the chair doesn't drive	wheelchair in push mode	set the lever as shown in Figure 5
	mechanical failure	contact assistance
Error light 10 turns on (Errore. L'origine riferimento non è stata trovata.)	wheelchair in push mode	set the lever as shown in Figure 5
	electrical fault	contact assistance
	you has acted with the release lever whith the command console turned on	turn off and on the command console
Footrest doesn't engage	mechanical failure	contact assistance
Joystick in alarm	electrical fault	contact assistance

7. FAULT, REPAIR AND ASSISTANCE

POSSIBLE FAULT	PROBABLE CAUSE	ACTION
Wheelchair doesn't tilt	procedure error	follow the instructions of this manual on page 21
	electrical fault	contact assistance
Wheelchair makes noise	release lever not properly inserted	insert correctly the release lever
	mechanical failure	contact assistance
Wheelchair doesn't have a good grip	Tires are not set to the correct value of pressure	Set the tires pressure to the correct value
Puncture	puncture	contact a qualified technician
Low autonomy of batteries	end of the life cycle of the batteries	contact assistance for the replacement of the batteries

Serial number

For any report or assistance request communicate the unique identification code on the chassis of each Pegasus Evo.

7. FAULT, REPAIR AND ASSISTANCE

Spare parts list

DESCRIPTION	NOTES
Tire wheel	Specify Pegasus Evo version (66 – 55), front wheel or rear wheel, right or left wheel
Inner tube wheel	Specify Pegasus Evo version (66 – 55), front wheel or rear wheel
Cover	Specify Pegasus Evo version (66 - 55)
Motor	Specify left or right
Footrest	Specify seat width and type of footrest (single or splitted)
Backrest canvas	Specify seat width and backrest height
Seat canvas	Specify seat width and depth
Headrest	Specify left or right
Bearing pair for front forks	
Front forks	Specify Pegasus Evo version (66 - 55)
Lights	Specify if position light, directions light or headlights

NOTE: For any other problem, contact the manufacturer.

7. FAULT, REPAIR AND ASSISTANCE

Warranty terms

Pegasus Evo is a product globally guaranteed for 24 months with the exception of batteries that are guaranteed for six months. The warranty covers defects in materials or workmanship. The warranty doesn't cover parts subject to usury or damaged parts by: overload, misuse, alterations and repairs made by unauthorized third parties.
The warranty expires in case of tampering, improper storage, unauthorized or incorrect maintenance.

MODEL:	Pegasus Evo
SERIAL NUMBER:	
MANUFACTURING DATE:	

USER MANUAL

PEGASUS EVO

NEATECH.IT

Our Mission is transfer technology and solution from the aerospace industry to disability sector. We are proud to offer the highest quality products and solution on the market.

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