

THE ALL TERRAIN WHEELCHAIR

ePush User Manual

ePush Owner's Manual

1st Edition 2015
This manual is designed to meet EN Standards 12182, 12183, 14971

IMPORTANT:

This owner's manual contains important safety, performance and service information. Please read it before you take the first ride on your new ePush and keep it for reference.

Additional safety, performance and service information for specific components such as the suspension on your ePush may also be available. Make sure that your dealer has given you all the manufacturers' literature that was included with your ePush; a complete list can be found on page 9. In case of a conflict between the instructions in this manual and information provided by a component manufacturer, always follow the component manufacturer's instructions.

If you have any questions or do not understand something, take responsibility for your safety and consult with your dealer.

NOTE:

This manual is not intended as a comprehensive use, service, repair or maintenance manual. Please see your ePush dealer for all service, repairs or maintenance.

ePush Frame Number	
ePush Order Number	
Date of Purchase	

Introduction

Congratulations! You now possess one of the finest all terrain wheelchairs in the world. The following pages will provide you with the information you need to properly use, adjust and maintain your new ePush, so you can get the most out of every ride.

It is essential that you read this owner's manual thoroughly before riding your ePush, we know you're anxious to get riding, but it will only take a few minutes, and then you can unleash the full potential of your ePush

Please pay special attention to the safety information and cautions shown throughout this owner's manual.

If you encounter any issues with your ePush that aren't covered in this manual, please contact your nearest Authorized ePush Dealer. As your number one resource, your ePush dealer can answer questions, perform required maintenance and recommend the best equipment to complement your ride.

Thank you for buying an ePush!

Enjoy the ride!

All diagrams included in this manual are based on a standard ePush, although some custom options may also be available at your ePush dealer.

Some images have parts of the ePush removed to make the image and instruction clearer

Table of Contents

A word	d about Warnings, Accidents and Safety	. 5
	nk Safety	
A sp	pecial note for parents	. 6
Your e	Push	. 7
1.0 S	etting up your ePush	. 7
1.1	Intended Operator	. 7
1.2	Folding	. 8
battery to prev	attery fits to the bracket under the seat and locates on the Battery Mount. Slide the y onto the mount until it clicks firmly into place. Then turn the key to 'Lock' position vent it sliding out of place. It is User preference whether you leave the key in the y whilst riding or remove it. If you remove it keep it safe as it is essential for	
	ing the battery	11
2.0	Riding Instructions	13
2.1	Pre-Ride Mechanical Safety Checks	13
2.2	Transferring in and out	
2.3	Steering	16
2.4	Braking	16
2.5	Hill and Kerb Climbing	17
2.6	Electric Assist	17
2.7	Descending Slopes	19
3.0	Safety Advice	19
3.1	Riding safely Off Road	19
3.2	Riding safely about town	20
3.3	Wet and Cold Weather Riding2	20
3.4	Night Riding2	21
3.5	Adding Accessories and Changing Components2	21
4.0	Service	21
4.1	Looking after Your ePush2	22
4.2	Maintenance Schedule2	24
4.3	Bedding in Period2	24
5.0	Warranty2	25

A word about Warnings, Accidents and Safety

The ePush is designed to be used for transportation, recreation and exercise. Riding off road can be dangerous, especially if you or your pusher go beyond the limits of your ability.

All terrain riding involves risk of injury and damage. By choosing to ride an ePush, you assume the responsibility for that risk, so you need to know and to practice the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your ePush reduces risk of injury.

If you crash or apply force that is higher than the limits of your ePush, you are very likely to cause damage to it or its parts. If your ePush has been damaged and you crash or load it again later, this additional impact or loading can cause a failure at a much lower load.

This Manual contains many "Warnings" and "Cautions" concerning the consequences of failure to maintain or inspect your ePush and of failure to follow safe riding practices.

- The combination of the safety alert symbol and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.
- The combination of the safety alert symbol and the word **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, or is an alert against unsafe practices.
- The word **CAUTION** used *without* the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the ePush or the voiding of your warranty.

Many of the Warnings and Cautions say "you may lose control and fall". Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death.

Because it is impossible to anticipate every situation or condition which can occur while riding, this Manual makes no representation about the safe use of the ePush under all conditions. There are risks associated with the use of any ePush, which cannot be predicted or avoided, and which are the sole responsibility of the rider.

Think Safety

Always think about your safety and avoid dangerous situations. Make sure you read this manual before you ride. You add to your risk when you make modifications, ride in unusual locations or ride in a high-risk manner.

A special note for parents

As a parent or guardian, you are responsible for the activities and safety of your minor child, and that includes making sure that the ePush is properly fitted to the child; that it is in good repair and safe operating condition; that you and your child have learned and understand the safe operation of the ePush. As a parent, you should read this manual, as well as review its warnings and the ePush's functions and operating procedures with your child, before letting your child ride.



CAUTION – You may wish to ensure that your child always wears an approved Bicycle helmet when riding; but also make sure that your child understands that a Bicycle helmet is for ePush riding only, and must be removed when not riding. A helmet must not be worn at any time while not riding a ePush, if the helmet is caught on an object, the wearer could choke.

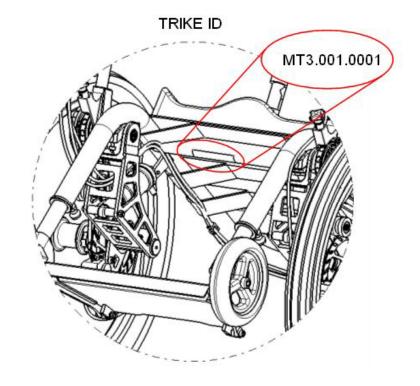
Your ePush

Each ePush has its own unique identification (ID) number. This ePush ID enables you and the dealer to identify the ePush and record its history. The ePush ID can be found stamped into the frame under the seat.

Please take a moment to write down your ePush ID and Dealer's name for your own records on page 3 in this manual.

Accompanying this manual you should also have been supplied with the following:

- Brake Instruction manual
- Shock Instruction manual



1.0 Setting up your ePush

We strongly urge you to read this Manual in its entirety before your first ride. At the very least, read and make sure that you understand each point in this section, and refer to the cited sections on any issue which you don't completely understand. Please note that not every ePush has all of the features described in this manual and the ePush pictured in the images may differ slightly to your own ePush. Ask your dealer to point out the features of your ePush.

1.1 Intended Operator

The ePush is a manual all terrain wheelchair that gives unsurpassed performance on a variety of challenging types of terrain. The ePush is an attendant wheelchair where the person in the ePush (rider) is pushed along by someone (pusher) who applies force to the push handle. The Pusher must accept full responsibility for control of the ePush and must be capable of controlling the device. If you are unsure as to whether you could use the ePush safely and effectively, your ePush dealer can assist you and make the appropriate recommendations.

Frame Size and seating adjustment

To get the most enjoyment from riding your ePush, it is important to ensure the seating is adjusted correctly for you. Your ePush Dealer will advise you on the correct seating position for you.



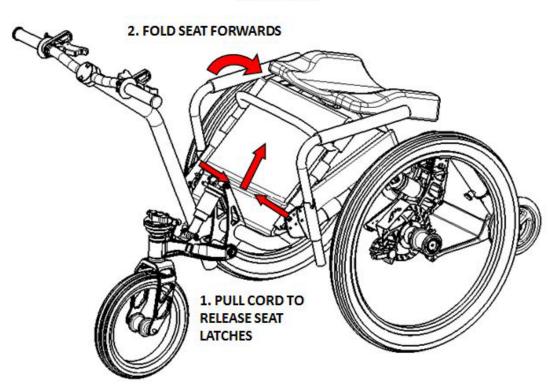
CAUTION - The designed maximum weight of the rider is 100 kg (17 stone)

1.2 Folding

The ePush is designed in such a way that, when folded, it will fit into the back of a car for easy transport or require as little space as possible for storage.

Seat Folding

For efficient stowing of the ePush for transport or storage, pull the seat back cushion out at its base then pull the cord joining the two locking pins and push seat forward. To restore the seat to its upright position, lift the seat back whilst pulling the cord, allowing the locking pins to retract. Once in the upright position, release the cord and the locking pins will spring out into the holes in the frame.



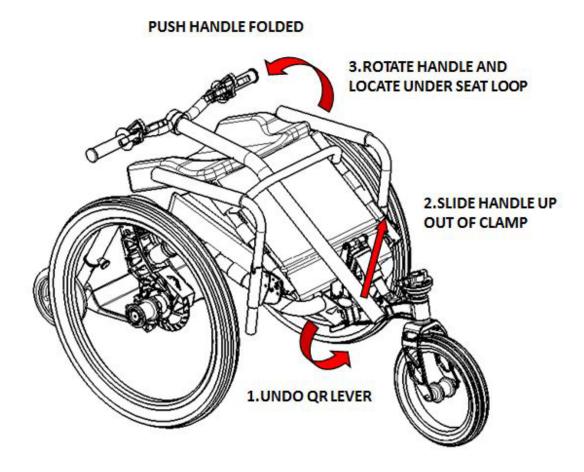
SEAT FOLDED



CAUTION - Ensure the locking pins are BOTH fully engaged in the holes in the frame before riding. Failure to do so could result in the seat back becoming unstable such that the user could lose control and fall.

Folding the Push Handle

Remove the push handle from the clamp by undoing the Quick Release lever. Slide the push handle up and out of the clamp and taking care not to overstretch the brake hoses, locate the handle under the loop on the back of the seat.



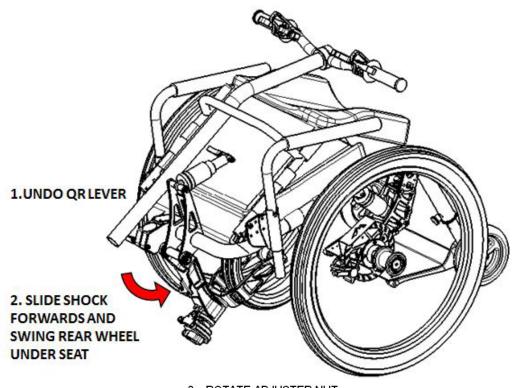
To refit the handle, slide it out from the seat back and slot in into the Clamp at the desired height. Ensure the handle is straight before tightening the Quick Release (QR) lever. (See instructions below for QR details)

Folding the Rear Wheel

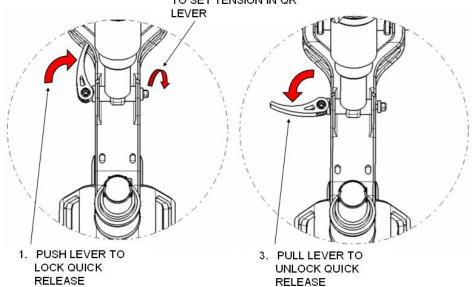
Like the seat, the rear wheel can also be folded away. This is done by simply releasing the rear shock absorber from the rear swingarm as shown below. Once folded, the rear wheel can be held in place with a Velcro strap underneath the seat base.

Using the Quick Release (QR) Lever, located at the connection between the rear shock absorber and the rear swingarm, the rear shock absorber can be separated from the Rear Swing Arm, allowing the rear wheel and swing arm to fold underneath the seat. QR levers are designed such that reasonable hand/finger strength is sufficient to provide the required compression force upon flipping the lever closed. If the lever flips with little or no resistance, then the adjusting nut will need tightening until the lever flips with enough resistance to provide adequate compression.

REAR SWINGARM FOLDED







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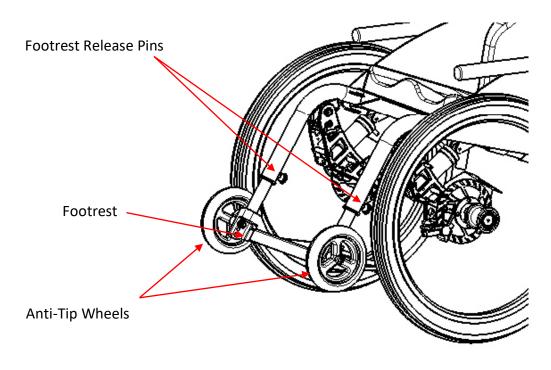
WARNING - It is important that the QR levers are set to the right compression force, failure to do so could result in the rear shock becoming loose and in a worst case scenario, detaching during a ride causing the rider to lose control and fall.



WARNING - The full force of the QR cam action is needed to clamp the rear shock absorber securely. To fasten securely, hold the QR lever in the open position, as indicated in step 3 in the second diagram above, and tighten the adjuster nut until it is tight before closing the QR lever.

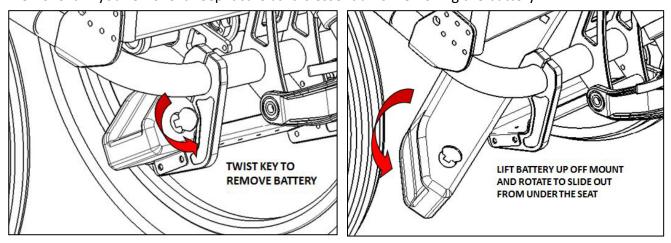
Footrest and Anti-tip Wheel Adjustment

The footrest and anti-tip wheels can be raised, lowered or removed by pulling the spring loaded pins located behind the front legs of the frame and moving the footrest to the desired position.



Battery fitting

The battery fits to the bracket under the seat and locates on the Battery Mount. Slide the battery onto the mount until it clicks firmly into place. Then turn the key to 'Lock' position to prevent it sliding out of place. It is User preference whether you leave the key in the battery whilst riding or remove it. If you remove it keep it safe as it is essential for removing the battery.



Battery Charging

Due to transport legislation, the battery will be delivered to you only part charged so you will need to charge the battery prior to use.

The battery may be charged in position on the ePush or can be removed and charged separate to the ePush. When plugged in, the **charger** will show a red light until it is fully charged at which point the light will change to green. The green lights on the **battery** only show it is switched on and do not indicate charge level. Charge level is shown on the display screen on the ePush.

The battery is a 36V 12Ah Lithium Ion eBike battery (Watt Hours rating 432Wh).





Take Care to align charger socket correctly, do not force it in place, line up the form to slot in easily.



CAUTION - Only use the charger provided to charge your ePush battery. Using the incorrect charger may damage the battery and would invalidate your warranty.

CAUTION - The charger connector is shaped to only fit into the battery socket the correct way around. Take note of this and do not force the connector into place with excessive force as this could damage the connector

CAUTION - The batter is housed in a sealed casing, however it is recommended to avoid contact with excessive water during use or cleaning as best practise with all electrical equipment.

2.0 Riding Instructions

The ePush control systems are designed to be simple to use, intuitive and give the rider unsurpassed levels of ride comfort. However, it may take a few moments to become familiar with the controls upon your first try.

Please choose a smooth and level piece of ground that is clear of obstructions and contains sufficient space when riding your ePush for the first time.

Areas that contain rough or steep terrain, open water, manoeuvring vehicles or large amounts of pedestrian traffic are not recommended.

Apply the parking brakes during transfer into the ePush. Release the parking brakes when the rider is ready to go and push the push handle to go forwards.

To steer the ePush apply sideways motion to the push handle to initiate a turn. You may wish to apply the brake on the inside wheel to help make a tight turn. E.g. apply right Brake to help initiate a tight right turn.

The pusher must look ahead to anticipate obstacles and pick the best route over the terrain. Some larger obstacles such as kerbs may be better tackled in reverse by lifting the rear wheel up onto the ledge, then pulling the Trike up next.

Familiarise yourself with operating the ePush manually before progressing to using the power assist motor system. Take a gradual approach before starting to use the Throttle on the lowest power setting.

2.1 Pre-Ride Mechanical Safety Checks

Before riding your ePush, it is imperative that you make the appropriate safety checks to ensure that the ePush is fit to ride.

- Make sure the rear shock absorber QR lever is located correctly and is tight.
- Check both locking pins on the seat back are engaged and the seat is not free to swing or fold.
- Ensure that footrest locking pins are correctly engaged so that it is not free to move.
- Set the push handle at the required height and ensure the QR lever is tight so the handle is secure.

Make a thorough visual inspection for damaged parts or any areas that show excessive wear or exhibit unintended movement or looseness.

- Check all of the bolts that connect the parts of the ePush together. For advice on tightening bolts see maintenance Section 3: 'Service'.
- Check the spokes of the wheels, they should all be of uniform tension and none of the spokes
 or adjusting nipples should be loose. For advice checking wheel spokes see maintenance
 Section 4: 'Service'
- Check for unintended movement in the wheel bearings by lifting each wheel off the ground slightly, and holding the top of the wheel, try to wiggle it side to side. There should be no sideways movement or knocking felt.
- Do the same at the rear wheel. Ensure there is no unintended movement in either the rear wheel bearings or the steering bearings.
- Check Hydraulic brake hose for physical damage and leakage. If the hose is damaged do not ride your ePush until it has been repaired by your ePush dealer

If the wheels appear loose, or if you discover that anything is not as it should be, do not ride the ePush and consult your ePush dealer.

Suspension

There is an individual shock absorber for each wheel of the ePush. The shock absorber units have been factory set. (There are however several adjustments that can be made to suit personal preference). Your ePush dealer can help you set the suspension for you needs.

Tyre Pressure

Check that the tyre pressures are even and are suited to the terrain and the type of riding being undertaken. The range of acceptable tyre pressures is printed on the tyre, depending on the manufacturer's specification. Recommended tyre pressures for different riding conditions:

•	Wet mud, wet grass, gravel	20 - 25 psi	(1.38 - 1.72 bar)
•	Dry dirt, dry grass	25 - 35 psi	(1.72 - 2.41 bar)
•	Wet street	30 - 35 psi	(2.07 - 2.41 bar)
•	Dry street	35 - 40 psi	(2.41 - 2.76 bar)



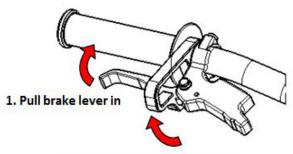
WARNING - Failure to ride with the appropriate tyre pressures can increase the risk or punctures, damage to the Trike or could possibly cause the rider to lose control and fall.

2.2 Transferring in and out

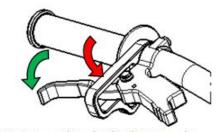
Due to the presence of the extra features and systems on an ePush, special care must be taken whilst transferring in and out. Whilst every effort has been made to make the transfer as straight forward as possible, some extra consideration should be made before first attempting to transfer.

Choose a piece of smooth, flat ground to perform the transfer with sufficient space to use transfer aids if necessary and allow assistance if required.

Ensure the parking brakes are applied on both brakes, one on each side, to stop the ePush moving during transfer.

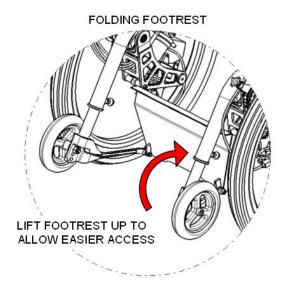


2. Rotate parking brake upwards to lock brake lever ON

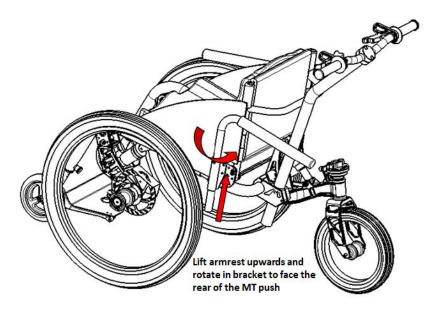


 Rotate parking brake downwards – brake lever will spring outwards to release the brake

Lift the footrest up to enable the Rider to get closer to the Seat during transfer. Do not stand on the footplate during transfer as this can overstrain the footplate or cause the ePush to tip forwards unexpectedly.



You may wish to move the arm rests to improve access to the seat during Transfer. The Armrests can be removed completely or turned to face the rear of the ePush whilst still in the bracket.



Take a moment to decide the best approach when transferring. It may not be possible to use the method you would normally use transferring chair to chair, so make sure you're comfortable with any approach before an attempt is made.



CAUTION - Contact with the high performance, off road tyres can cause abrasion to skin and clothing during transfer. If a side-on transfer is attempted, ensure the tyres are covered or that sufficient clearance can be guaranteed before any attempt is made.

Your ePush dealer can advise you on recommended modes of transfer, however, the method and the approach taken is down to the individual. Please take a moment to determine the best method for you.

2.3 Steering

It is also recommended to practice turning and get a feel for the turning circle of the ePush in a flat and smooth area that's free of obstructions before moving onto more challenging terrain or busy or confined spaces.

It is important to consider your speed when attempting turns. Avoid making quick turns especially on uneven or cambered ground.



CAUTION – The Pusher / attendant must be aware of their responsibility to take care when steering as the User's safety is their responsibility

2.4 Braking

The ePush come equipped with two high specification mountain bike hydraulic disc brakes. These provide an unsurpassed level of braking power and control. The brakes work on the two main front wheels.

Only very gentle pressure on the brake lever is required to begin braking. To provide small amounts of braking force to check speed, only gentle pressure is required. As the left and right brakes are independent it is also important to apply force evenly to each brake lever so that each wheel is experiencing the same amount of force, otherwise you could veer to the side.

Again, use smooth, flat and open ground to practice braking and get a feel for the brakes and making controlled stops before attempting more challenging terrain.

Note: Always keep at least one or two fingers resting on the brakes at all times when riding. This is known as 'covering the brakes' and is a technique that can give better control and reduce any tendency to 'grab' the brakes suddenly.



WARNING - Excessive braking force could cause the ePush to tip causing the rider to lose control and fall.



WARNING - Uneven force applied to each brake when using independent brakes can cause the ePush to change direction causing the rider to lose control and fall.

Anti-tip wheels

The anti-tip wheels at the front of the ePush are designed to prevent the rider from tipping too far forward and falling out when applying the brakes. The use of the optional seat belt may help riders feel more secure in the event of tipping.

2.5 Hill and Kerb Climbing

The features of the ePush allow the rider to climb slopes that would be very difficult to climb in any other wheelchair. Climbing can be thought of as an advanced riding technique and should only be attempted once a good level of all round control has been achieved.

Before attempting to climb any surface, check thoroughly that it will be possible to get back down safely. It is recommended that the climbing technique is practiced on gently inclined surfaces before climbing any steeper terrain.

Use of the brakes on climbs is recommended so the Pusher can apply the brakes to hold the ePush in position on the slope if necessary.



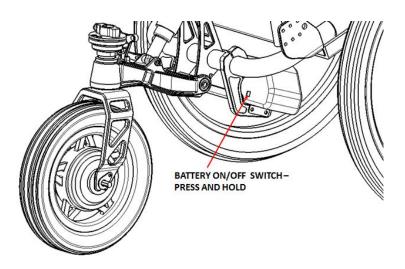
WARNING - Riding on steep terrain can be unforgiving and increases the risk of the rider losing control and falling.

2.6 Electric Assist

The Electric assist system powers the rear wheel to give you a power boost when you need it. It is completely separate to the Manual Drive which operates the Front wheels.

To turn the electric assist ON:

- 1. Press and hold the button on the battery for 3seconds
- 2. Press and hold the centre button on the display for 3 seconds until the display lights up





There are 5 power settings:

- 1- Lowest power (60% of full power) approx. 3.5mph
- 2- 2nd lowest power (70% of full power) approx. 3.5mph
- 3- Mid power (80% of full power) approx. 3.5mph
- 4- 2nd highest power (90% of full power) approx. 4mph
- 5- Highest power (100% of full power) approx. 4 mph
- To scroll between the power settings, use the Up and Down arrow buttons.
- Press and hold the ON/OFF button to turn system on or off.
- Press and release the ON/OFF button to scroll between current speed and Max or average speed information

Operate the rear hub motor wheel, simply push the thumb throttle to drive forwards. The throttle is sensitive and controllable. Push the throttle a small amount and the ePush will crawl forwards slowly. Push the throttle more and the ePush will drive faster. It is recommended that you start slow on the lowest power setting, familiarise yourself with the throttle and get a feel for the controls on easy terrain.



2.7 Descending Slopes

Descending requires the use of the steering and braking systems, but can also require input from the Pusher.

It is extremely important to check the suitability of any terrain considered for descending before attempting to ride it. If for any reason you are unsure, do not ride it, find an alternative way around.

The most important aspect of descending is using the brakes to control speed. Feathering or 'Modulating' the brakes, using finely controlled pressure on the brake lever is required to keep the wheels rolling whilst providing the required braking force to maintain controllable speed. Too little braking force and speed will increase until control is lost, too much braking force can cause tipping or locking of the wheels which could lead to a fall. **The Pusher must also hold tightly to the handle bar to maintain good control especially when descending slopes.**

Do not power the throttle when riding downhill as this could cause unnecessary acceleration that could be difficult to control.

3.0 Safety Advice

Please read this section carefully, the amount of detail may seem excessive or appear to be stating pure common sense, but the Mountain Trike Company is committed to ensuring its rider's are as safe as possible so they gain the maximum enjoyment from riding their ePush.

Seat Belt and Foot Straps

A seat belt and foot strap are provided with your ePush should you so wish to use them. The use of these items is an optional User preference as you are best placed to judge the suitability of them for your use. The Footstrap may be located in front or behind the Rider's feet depending on preference.

3.1 Riding safely Off Road

All riders should exercise their own judgement as to whether the area they are travelling requires them to need assistance and take a capable companion if necessary. Children should be accompanied by a responsible adult when travelling Off Road.

- 1. Off road terrain can feature variable conditions and hazards, so stay alert and ride within your abilities. Follow the advice in our Operation section and build up your skill gradually on easy terrain before attempting more challenging ground
- 2. We recommend you wear appropriate clothing

4. We recommend the you take a mobile phone, money, additional clothing, food and drink, tools, puncture kit etc and always tell someone where you are going and when you expect to be back

5. Observe the Countryside Code with regards to other people and animals, give way to them

3.2 Riding safely about town

You may wish to ride your ePush around town, over uneven pavements, cobbled streets or inside buildings.

- 1. Avoid riding in the road as this can be highly dangerous, always stay on the pavement where possible
- 2. Obey all Rules of the Road and all local traffic laws
- 3. Respect other people and observe rights of way
- 4. Beware that others may not see you coming
- 5. Be prepared to avoid obstacles and look ahead for
 - Vehicles slowing or turning, entering the road or your lane ahead of you, or coming up behind you.
 - Parked car doors opening.
 - Pedestrians
 - Children or pets playing nearby.
 - Narrow gaps or spaces
 - Kerbs, pot holes, drain covers, railway tracks, expansion joints, construction works, debris and other obstructions that could cause you to swerve into the path of others, or hinder your progress
- 6. Slow down and look both ways at street crossings
- 7. Never ride with headphones as they can drown out noises from potential hazards around you, or the cables may tangle in the moving parts of the ePush
- 8. Never carry a passenger as this could make the ePush unstable
- 9. Take care when carrying luggage, always ensure it is strapped properly to the Trike and cannot become tangled in moving parts
- 12. Don't weave through traffic or make any moves that may surprise people
- 13. Never operate your ePush when under the influence of alcohol or inhibiting drugs.
- 14. Take care when riding in bad weather conditions, when visibility is obscured, at dawn, dusk or in the dark, or if you are very tired. These conditions have associated higher risks.

3.3 Wet and Cold Weather Riding

- 1. Wet weather reduces grip for steering, braking and drive, therefore the risk of an accident is dramatically increased in wet conditions.
- 2. Avoid excessive speed and allow greater stopping distances and apply the brakes gently to avoid skidding.

3. Take care when crossing soft wet ground, if in doubt; avoid extremely boggy ground which may result in the ePush becoming stuck.

4. Take care when riding over snow or ice as the ground may be slippery, reducing the effectiveness of the brakes-

3.4 Night Riding

Your ePush does not come supplied with lights or approved reflectors.

- 1. Night riding presents increased risk over riding in the day as visibility is reduced.
- 2. Push more slowly as the lower visibility will reduce the time available for you to react to hazards. Expect the unexpected!
- 3. Conditions can also be colder at night, so ensure you take enough warm clothes

3.5 Adding Accessories and Changing Components

Many of the components on the ePush are standard mountain bike parts which may be changed if you wish. However, changing components is done so at your own risk as they may not have been tested by the manufacturer for compatibility or performance. Consult your dealer before changing any components.

Only use approved accessories and parts. Follow the associated instructions when installing them. Please consult your ePush dealer as some parts can only be fitted by a qualified technician or if you require any other assistance with fitting accessories.



WARNING - Failure to confirm compatibility, properly install, operate and maintain any component or accessory can compromise safety causing the User to lose control and fall.



WARNING - Fitting components or parts to your ePush which are not Mountain Trike Company Ltd approved replacements may compromise your safety and may void the warranty. Check with your dealer before changing any components on your ePush.

4.0 Service

The ePush is a highly technical piece of equipment and must be maintained and serviced appropriately to provide the required service life and safe operating performance. The ePush shares many features and systems of high specification mountain bikes and the maintenance and service regimes are therefore similar.

Due to the potential safety risks of operating a badly maintained ePush, it is recommended that you consult your ePush dealer for all your maintenance needs and servicing, and follow the

recommended maintenance schedule, shown in 4.2. However, some maintenance can and should be performed by the user and requires no special tools.

Following the bedding in period, discussed in 4.3, The Mountain Trike Company Ltd recommends a complete service by a competent technician every 6 months or 50 hours of riding, which ever comes sooner, or if any fault is suspected.

4.1 Looking after Your ePush

To keep the ePush running at peak performance and to ensure the longest possible service life, after every long ride, or if ever the ePush is exposed to water (especially Sea water), mud and grit, the following service checks and actions should be made. If you are in any doubt about performing a service task yourself, you must consult your ePush dealer before attempting the task or riding the ePush.

General cleaning is recommended after every ride. Warm water with a small amount of detergent is sufficient to remove most dirt. Be careful to **avoid excessive amounts of water entering the hub motor, electrical parts**, drive, braking or steering systems. **Refrain from using high pressure washing systems** as these can penetrate sealed parts, reducing life. Once cleaned, thoroughly dry the ePush, as if water is left to collect it can corrode moving parts.

Once clean, the following checks and maintenance should be performed with every ride.

Wheels

With the wheel clear of the ground and free to spin, check the wheel spins freely and true without resistance or wobbling.

On each wheel, check the rims for damage or dents. Take a pair of spokes between fingers and thumb and squeeze together, they should feel tight and each pair should feel roughly equal. If there is any rim damage or significantly loose spokes, seek the advice of your ePush dealer as they may need to re-tension the spokes or rebuild the wheel.

Check the tyres for any cuts, damage, excessive tread wear or embedded objects. If any damage is found, the tyres should be replaced.

Check the suspension is operating correctly by pushing down on the seat or frame, the shock absorbers should move smoothly. If the shock absorbers do not move freely, or appear to be leaking or seized seek the advice of your ePush dealer as the shocks are an item requiring specialist knowledge and tools to service.

Check the Accessory clamp which secures the push handle is clamped correctly and does not rotate on the frame. Ensure the quick release lever is tight so that the push handle does not rotate in the clamp.

Brakes

Pull each brake lever. It should swing smoothly and there should be a distinct 'bite point' at which the pads contact the disc. If the brake lever is rough, the bite point feels spongy or there is a reduction is braking power, seek the advice of your ePush dealer as the brakes require specialist knowledge and tools to service.



Warning - Hydraulic brakes contain fluid which is hazardous to health if ingested and irritates skin on contact. The Mountain Trike Company recommend any maintenance or service to the brakes themselves is carried out by your ePush dealer. If a brake fluid leak is suspected, seek the advice of your ePush dealer



Warning - Hydraulic disc brake systems are sensitive to temperature. If the brake systems experience prolonged exposure to intense, direct sunlight, the fluid can expand, locking the brakes and potentially damaging the internal seals. If high surface temperature exposure is suspected, contact your ePush dealer.

Steering

Lift the rear wheel off the ground and rotate the fork from side to side, it should feel smooth and positive without looseness or 'play'. Hold the fork and the steering unit and pull backwards and forwards to check for any looseness or 'play'. If there is any looseness the rear steering pivot will need tightening. Seek the advice of your ePush dealer.

Check the operation of the Steering Unit engage and disengage system. The module should release easily and once engaged, be attached solidly with no looseness. If engaging or disengaging is difficult, or the Steering Unit is loose when engaged, seek the advice of your ePush dealer



WARNING - Never ride your ePush if the steering unit is loose as this can result in poor steering response which could cause you to lose control and fall.

Frame and Seat

Check the overall condition of the frame for cracks, dents and other damage. If the frame is suspected of having any damage at all, seek the advice of your ePush dealer.

Check the seat for tears or lesions, if the seat is damaged or not functioning correctly, it should be replaced. Although the seat material passes the relevant fire retardant standards, care should still be taken to avoid open flames or exposure to high temperatures.

In the case of a crash or fall, thoroughly check the ePush for any damage. Never ride your ePush unless you are completely confident that it is in full working order.

4.2 Maintenance Schedule

- 1. Check tyres after every ride
- 2. Check shocks after every 50-60 hours use, though servicing would only be expected every 12 18 months
- To service bearings, special tools are necessary, only your ePush dealer should do this.
 Wheel, steering and pivot bearings should be serviced every 12 18 months or when looseness is felt in the bearing.

4.3 Bedding in Period

When first riding the ePush from new, it is important to understand that various components and systems will be 'bedding in' and will take time to reach their full operating performance. As every rider will use their ePush differently, the bedding in period will vary from person to person. Typically this may occur after the first 30 days of use or earlier if ridden hard for 3 – 5 hours. Section 2.1 'The Mechanical Safety Check' section provides an excellent guide to what areas to check for signs of looseness or unintended movement in the systems. It is important to perform these checks before and after each ride.

- The spokes in the wheels can sometimes stretch, requiring the wheels to be serviced by a capable bicycle technician.
- The interface between the brake pads and the discs take time to bed in, such that the brakes won't work at their full power straight away.

Your ePush will last longer and serve you better if you observe the initial bedding in period and ride gently and cautiously before riding hard on challenging terrain.

5.0 Warranty

Thank you for choosing an ePush. We are sure you will have many years of enjoyment from your new purchase. Your 3 year warranty was automatically registered to you when you bought the ePush. Keep your receipt safe and you may wish to take a moment to write down your date of purchase, dealer details and ePush ID number on page 3 of this manual for your own records.

A Note about Warranty Claims:

If you suspect you have reason to make a warranty claim, it is important to follow the proper procedure. The first thing to do is immediately contact the ePush dealer from whom you purchased your ePush. They will be able to assist you with the claim and answer any queries you may have.

THE MOUNTAIN TRIKE COMPANY LIMITED WARRANTY

The Mountain Trike Company Ltd warrants each ePush frame and ePush manufactured parts for 3 years from the purchase date of the original owner.

The Battery has a 1 year warranty.

Warranty claims for all non Mountain Trike Company manufactured components, including shock absorbers, disc brakes, brake levers, wheels etc... should be sent to the representative of the respective manufacturer via the ePush dealer.

This warranty is limited to the repair or replacement of a defective frame or components and is the sole remedy of the warranty and applies only to a ePush purchased from an authorised ePush dealer.

The warranty does not cover normal wear and tear, improper assembly (such as crossed clamp bolt threads), poor maintenance or installation of parts and accessories not originally intended for, or compatible with the ePush - Specifically the fitting or modification of suspension units or brakes not supplied as original equipment.

The Mountain Trike Company reserve the right not to warranty ePush's, frames or components which in their opinion have been used for riding conditions outside the limits of the product. These limits are described in the Owner's Manual Section 3.5. Your ePush dealer can provide clarification of these categories and the intended use for the ePush.

Use of the ePush in competitive events, trick riding, ramp riding, jumping, aggressive riding, riding on severe terrain, riding in severe climates, riding with heavy loads, commercial activities and other types of non standard use can dramatically shorten the useful product life cycle of ePush and may result in an unpredictable failure of a ePush that would not be covered by this warranty.

The warranty does not apply to damage or failure due to accident, abuse, collision, impact or neglect.

The warranty excludes ePush's used for competition, speed or time trials, hire, reward or rental.

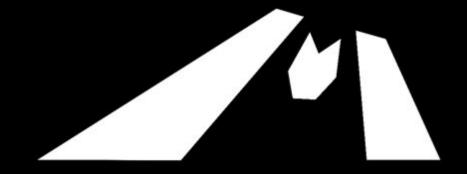
The Mountain Trike Company Limited shall not be responsible for incidental or consequential damages.

Claims under this warranty are to be made through an authorised ePush dealer. The complete ePush must be returned at owner's expense via the authorised ePush dealer to allow inspection of all the components and parts. Proof of purchase is required before warranty claims can be processed.

This warranty does not take the place of any legal and contractual rights between the ePush dealer and the owner. In the event of a problem the owner should contact the ePush dealer in the first instance.

All ePush's should be checked before every ride and periodically checked by an authorised ePush dealer, for indicators of stress and/or potential failure, including cracks, deformation, corrosion, paint peeling, dents and any other indicators of potential problems, inappropriate use, or abuse. If any abnormality or indication of a problem is found the ePush should be returned to an authorised ePush dealer or to The Mountain Trike Company Ltd for further checks before being ridden again. These are important safety checks and very important to help prevent accidents, bodily injury to the rider and shortened useful product life cycle of a ePush.

IMPORTANT NOTE: This warranty applies only to the original owner and is not transferable.



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The Mountain Trike Company Ltd