ZIPSERIES

MGI™

zip X5

User Manual
VERSION 1.3

✖MGI ZIP X5

Contents

Thank you for purchasing the Game Changing MGI ZIP X5 motorised buggy. To get the most out of your buggy please follow these quick steps before use.

- Register your buggy online (section 1.0)
- Assembling the buggy (section 3.0)
- Charge the battery (section 4.0)

For Customer Support, please contact MGI directly for immediate and professional advice.

Email: customerservice@mgigolf.com

LIVE chat: visit **www.mgigolf.com**

Toll Free within Australia: 1300 644 523 (excludes mobiles) Western Australia / International Phone: +61 3 8872 6700

Local Service Centres: visit **www.mgigolf.com** to locate your local service centre.

NOTE: This user manual was correct at time of printing. The online version is the most up-to-date and must be referred to as the correct version. To download the most current user manual please visit www.mgigolf.com. Images shown throughout this manual may not be of the particular model you have purchased, however the instruction they refer to is for the model in the user manual.

1.0 Registration

It is most important you register your MGI Buggy online immediately as registration:

- Records your buggy for warranty purposes
- Speeds up any servicing required on your buggy
- Assist us to contact you with any updates to your buggy

To register your buggy, visit **www.mgigolf.com**

You will need to record your MGI serial number. This is found on the buggy battery base or in the top box compartment.

Please keep this user manual on file for your own reference and a copy of your serial number;

My MGI Buggy Serial Number is
(example AZX5V1173401234)

Purchased Date

/ /

You may be required to show proof of purchase so we recommend you keep your receipt with this manual.

2.0 What`s Included

- MGI ZIP Buggy
- 24v Lithium Battery
- Battery Charger
- GPS Holder
- MGI Pouch with:
  – User Manual
  – Accessory Guide

3.0 Assembling Your Buggy

3.1 Attaching the Rear Wheels

On the wheel, press the grey release button on the wheel hub. Place the wheel onto the axle. You will notice you need to match up the inner female groove on the axle and the male of the wheel. When placed in position simply release the button. You will notice you hear a "click" when the wheel is properly secured. To check that the wheel is properly in position pull on the wheel. If it is properly in position it will not slide off. Repeat for the other wheel.

3.2 Rear Wheels Positions

The MGI ZIP buggy is designed to allow the rear wheels to be in two positions. The position is determined by where the wheel is locked on the axle in either of the two grooves (see picture). The drive position is used during the normal operation of the buggy. The free wheel position is used to freely push the buggy should you experience battery or buggy issues on the course.


Free wheel position
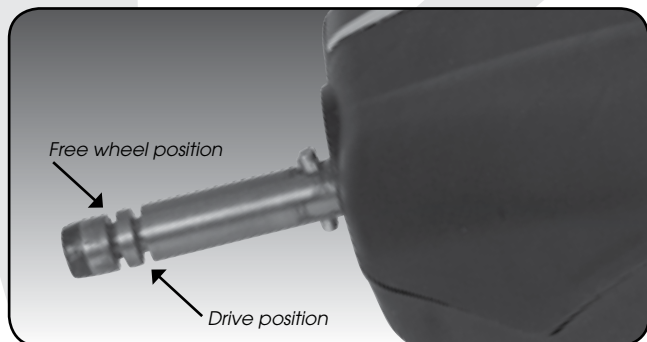
Drive position

i. Drive position – *Lock the wheel onto the groove closest to the* battery base. *To do this, press the grey release button on the wheel hub, push the wheel on to the axle as far as possible. To test for drive position try rolling the wheel backwards. If you feel resistance then the wheel is now in drive position and ready to use. Repeat for both wheels.*

ii. Free wheel – *Lock the wheel into the groove* closest to the *end of the axle. To do this, press the grey release button on the wheel hub, push the wheel on to the axle and release the release button onto the groove. To test for free wheel position try rolling the wheel backwards. The wheel should spin freely with no resistance. Repeat for both wheels.*

3.3 Unfolding

Please see below the steps to unfold a ZIP Buggy Handle.
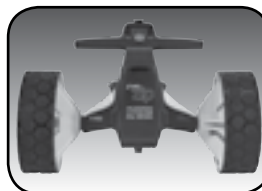
Step 1: Ensure both rear wheels are attached.

Step 2: Release Fold Lever.

Step 3: Move Top Bag Support away from front wheel assembly.

Step 4: The handle is now free to pull upwards. The handle will naturally unfold as you continue to pull until the handle is completely open.

Step 5: Ensure that the Top Bag Support is moved upwards as far as it can go.
Step 6: Close the fold lever to lock the handle into place.

Step 7: Push the Top Bag support down to move it into position.

Please note that the handle can only be locked into one position – it is not height adjustable.

3.4 Folding

Step 1: Disconnect the battery. It can left on or removed from the buggy.

Step 2: Open the fold lever to release the handle.

Step 3: Pull up the latch at the bottom of the handle.

Step 4: Lower the handle down flat.

Step 5: Move the Top Bag Support down so that it locks over the front wheel assembly.

Step 6: Close the fold lever to lock the handle into place.

3.5 Fourth Foldable Rear Wheel
The MGI ZIP X5 comes standard with a fourth foldable rear wheel. This wheel MUST be unfolded into position at all times when the buggy is in use. This will reduce damaging the buggy, and provide the ultimate in stability across all terrains. This fourth wheel should be cleaned regularly with a cloth to ensure it can be folded as required for storage.

3.6 GPS Holder and Top Handle Compartment
In the top handle compartment there is a position for a GPS/ mobile device holder. Open the compartment and connect the holder into position. To open the holder always press the button at the top of the holder. Place the GPS into the cradle, then close the holder by squeezing the two sides closer together.

3.7 Inverting Rear wheels
The rear wheels can be inverted on the axle to reduce the size of the buggy when folded.
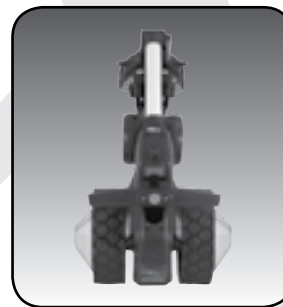
4.0 Battery Charging & Connection

The ZIP X5 is designed to take either ZIP battery:
• MGI 24v 250Wh Lithium battery (Standard)
• MGI 24v 380Wh Lithium battery (Optional)

4.1 Initial Charge
• Before using your MGI ZIP buggy for the first time you must fully charge the battery overnight.
• Plug the charger AC lead into a power point - the Green LED illuminates to indicate the charger is power on.
• Plug the charger output connection into the connector on the front of the battery - the Red LED illuminates to indicate charging.
• When the charging LED indicator has turned green, the battery is fully charged and ready to be used.

Please refer to the battery charger user manual for further information.

4.2 Connecting the Battery onto the Buggy
Position the battery on the buggy and push the battery down to secure it.

Push the handle down to connect the battery to the buggy.

Your buggy has been equipped with fail safe battery connection, so the buggy will not move when you connect the battery. Your buggy will only start once the speed control is switched on.

4.3 Charging the Battery after Use
• Disconnect the battery by lifting the handle.
• The battery can be left on or removed from the buggy for charging.
• Plug the charger AC lead into a power point - the Green LED illuminates to indicate the charger is power on.
• Plug the charger output connection into the connector on the front of the battery - the Red LED illuminates to indicate charging.
• When the charging LED indicator has turned green, the battery is fully charged and ready to be used.

5.0 Fitting the Golf Bag

Ensure that the top bag support straps are disconnected.
Position the golf bag on the buggy.
Secure the top bag support strap
• Select a good position for the elasticised straps to be put around the golf bag
• Stretch the longer end of the strap and loop the rounded plastic bar underneath the hook on the shorter end
• The top bag support straps should now be connected.

Please ensure the top bag support straps are hooked in place securely before releasing. Failure to do so could result in injury to the user.

Adjusting the length of the top bag support strap
The rounded plastic bar on the longer strap can be adjusted to ensure the bag is secured properly in place.

Secure the lower bag strap
Pull the lower bag strap over the base of the golf bag

6.0 Front Wheel

Unlocking & Locking the Front Wheel
The front swivel wheel can be set in two positions.

1) Unlocked position to allow for 360deg swivel for optimum turning ability. Move the knob, on top of the front wheel assembly, to the left hand side.
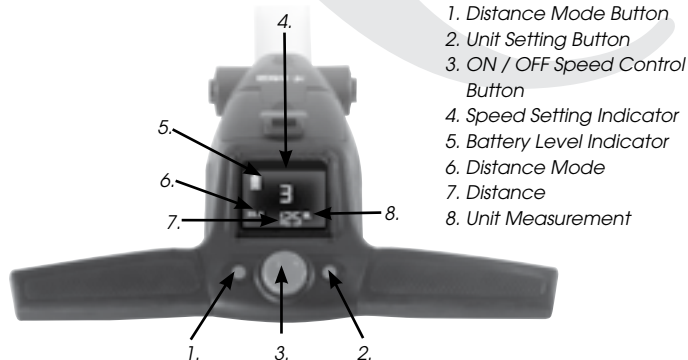

2) Locked position is best when using the Controlled Distance function. Move the knob, on top of the front wheel assembly, to the right hand side.

7.0 Operating the Digital Top Box

7.1 Top Box Display

1. Distance Mode Button
2. Unit Setting Button
3. ON / OFF Speed Control Button
4. Speed Setting Indicator
5. Battery Level Indicator
6. Distance Mode
7. Distance
8. Unit Measurement

7.2 Start / Stop the Buggy

Speed Control

ZIP Buggy Speed Control
Please note the following points regarding the ZIP Buggy Speed Control.

1. To select the desired speed, rotate the speed control button. Turning the speed control button clockwise will increase the speed, whilst anti-clockwise will decrease speed.
2. The speed setting chosen is displayed in the centre of the coloured screen.

Please note you will feel notches as you rotate the speed control. The notches do not indicate a change in speed. The speed will only increase or decrease as the number changes in the display.

3. To start the buggy at this desired speed, tap the top of the speed control button.
4. Another tap will stop the buggy.
5. The desired speed can be altered up or down while the buggy is moving.

7.3 Turn the Buggy Off

ZIP Buggy Battery
Please note the following points regarding the Zip Buggy Battery.

Connecting the Battery onto the Buggy
1. Position the battery on the buggy and push the battery down to secure it. Push the battery handle down to connect the battery to the buggy.
2. To turn the buggy Top Box Display off:
   Hold down the Start/Stop Speed Control Button and Left Hand Distance Mode Button for four seconds and the display will turn off thereby disabling the Top Box.

Please note that the battery will still be connected to the buggy and will continue to drain whilst connected.

3. Please note that the buggy display will also turn off if the Speed Control is not operated for 30 minutes.

Once again, please note that the battery will still be connected to the buggy and will continue to drain whilst connected.

4. To reactivate the Top Box Display, whilst the battery is connected, hold down the Start/Stop Speed Control Button and Left Hand Distance Mode Button for four seconds and the display will turn on thereby enabling the Top Box.

5. To fully shut down the buggy and prevent the battery from discharging, disconnect the battery by lifting its handle. The battery can be left on or removed from the buggy.

7.4 Battery Level Indicator
Battery indication is located on the left side of the top box screen. Four coloured bars are highlighted showing full charge. The lesser number of bars displayed, means there is less battery life available. You should always check the battery status before you play golf to ensure the four bars are there.

7.5 Unit Measurements
You can move from meters / kilometres to yards / miles simply by pressing the Unit Setting Button (on the right).

7.6 Distance Modes
There are three distance measurement modes. To move between the modes by pressing the Distance Mode Button (DM) (on the left)

Distance A and B: resettable distance measurements could be used to measure how far you hit your shot and to measure how far you have walked for the day. To reset, simply press the DM Button (left side) for 3 seconds until the reading displays "0". Distance Total: cannot be reset as it is the Odometer for the life of the buggy. This feature will assist with service reminders which are recommended at each 500kms or 6 months periods.

7.7 Electronic Park Brake
The MGI Zip X5 has an Electronic Park Brake (EPB) which when activated, stops the buggy from creeping forward on a hilly terrain.
To activate the Electronic Park Brake press and hold the right hand button for 3 seconds. The digital screen will display the words STOP on the screen.
To release the Electronic Park Brake simply tap the speed control button and the buggy will resume movement.

Tips on using the Electronic Park Brake
The EPB will consume battery power when in use
Only use the EPB on large slopes when the buggy cannot stand still by simply stopping the buggy.
Do not use the EPB on flat surfaces to conserve battery life.
The EPB function should not be ON for a long period of time.
Simply use the on/off speed control when stopping on flat terrain or during longer breaks on the course

7.8 Control Distance Function
The Control Distance Function enables the MGI ZIP buggy to be sent a preset distance before the buggy auto stops. To use this function:

It is recommended that you lock the front wheel to ensure the buggy tracks in a straight line.
Press and hold down Speed control button for 3-4 seconds until the speed setting changes to 5 (metres or yards) and "ADC MODE" will appear.
Turn the Speed control button clockwise to increase the distance or anti-clockwise to decrease the distance until the desired distance is achieved between 5-60 (metres or yards)
Always look ahead and assess the condition of the terrain of where you want to send the buggy prior to doing so.
Once the desired distance is reached, press the Speed control button once to send the buggy off to the desired distance.

7.9 Downhill Speed Control

The downhill speed control feature is activated automatically as the buggy enters a downhill incline. This feature is due to the differential gearbox.

Tips on understanding the Downhill Speed Control
It is best to turn the speed down to a low speed before entering the downhill terrain.
The buggy may gain some speed downhill but will not increase beyond control.

7.10 Competition Mode

In the unlikely event the club you are playing at does not allow the use of distance devices you will need to disable the distances feature on the MGI ZIP buggy.

To disable the distance recording feature, simply hold down the left and right buttons at the same time for 3 seconds and "COMP MODE" will appear on the screen.
In addition, the distance recording will be removed from the screen.

To exit COMP MODE hold down the left and right buttons at the same time.

8.0 Adjusting and Aligning the Front Wheel

Each buggy is checked for straight tracking prior to leaving the factory. In the unlikely event the ZIP buggy is not tracking straight, the front wheel can be adjusted to regain straight tracking as follows;

1. Lock the swivelling front wheel (6.0) and run the buggy forward to see if the buggy veers left or right.
2. Unlock the swivelling front wheel, swivel it to see the locking latch in the middle of the two front wheels, as below Picture on Left
3. Unlock the latch by pulling down
4. Adjust the direction by turning the thumb screws in the right hand Picture. Alternate between cogs when adjusting - suggest a quarter of a turn at a time
   – To make the ZIP Buggy go Right - L/H screw anticlockwise, R/H screw clockwise – (Up on both sides)
   – To make the ZIP Buggy go Left - L/H screw clockwise, R/H screw anticlockwise – (Down on both sides)
5. Lock the latch by pushing it up.
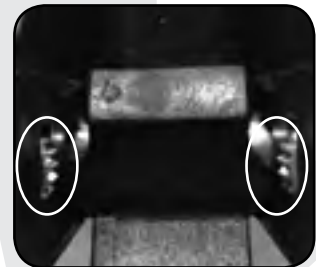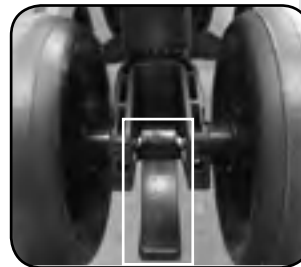
Please note that there is a process in adjusting the tracking. It is suggested that the users should do a little bit of adjustment, test the tracking and then adjust again until the buggy goes straight.

9.0 Warranty

9.1 Warranty Policy

The MGI ZIP buggy is covered by a Limited* manufacturer's warranty from the date of purchase. Duration of this warranty is:
– 2 years on parts*
– 2 years on Lithium batteries and chargers

*MGI or an authorised service centre will repair or replace any parts found to be defective in materials or workmanship under normal use provided that:
1. The MGI ZIP buggy has been properly used, maintained and regularly serviced (see section 10.4)
2. The replacement or repair is performed by an authorised MGI service centre or the owner with MGI approval.
3. The buggy has been registered online.

9.2 Warranty Exclusions

The following events will void warranty:
• Any alteration performed by non-authorised people or companies.
• Fitting of parts or accessories not recommended by MGI.
• Any damage caused by continued operation of the motorised buggy after it is known to be defective.
• Damage to seat and/or seat support bracket on buggy
• Damage caused by ingress of water into motor/gearbox and other major components
• Damage caused by buggy going into bunkers and other course hazards
• All implied warranties (save those preserved by statute) are excluded. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

9.3 Parts Installed During Warranty

Warranty coverage for components installed during a motorised buggy's warranty period shall consist of the duration of the buggy's warranty period, provided the warranty installation is performed by MGI, an authorised service centre or the buggy owner on approval. Replacement of parts under warranty will not extend the warranty of the buggy or parts.

10.0 Preventative Maintenance Program

To properly provide for the continued operation of your MGI ZIP buggy, MGI has introduced its Preventative Maintenance Program (PMP). The PMP consists of work to be carried out by both the owner and authorised service centres. To properly maintain the warranty of your MGI motorised buggy, it is essential that this work is carried out. If the work carried out by the authorised service centre is to replace parts that are part of the maintenance schedule, the owner will be charged for the parts and labour. If the work to be carried out is part of warranty, MGI will bear the cost.

10.1 Cleaning Your MGI ZIP Buggy (See Maintenance Schedule)
• For years of good operation, your buggy requires care and attention.
• Keep your buggy clean by using a cloth with warm water and a mild detergent.
• Do not hose down your buggy under any circumstance, as the buggy has electronic components.
• Ensure that the seat stem bracket is free from sand.
• Do not submerge your buggy in water as it will cause irreparable damage.
• Clean the buggy battery base when the battery is removed from the buggy.

10.2 Rear Wheel Axles Maintenance (See Maintenance Schedule)
The rear wheel stub axles need to be lubricated regularly. Remove the rear wheels by depressing the spring clip and at the same time pull off the wheel. Apply Petroleum Jelly or light grease to the stub axles. Use a very small amount as the grease can attract sand. If you play in sandy conditions you should clean the axle and regrease fortnightly.

10.3 Upper and Lower Bag Strap Maintenance (See Maintenance Schedule)
The bag straps should be replaced as per the Service Schedule. The upper bag strap can be replaced by:
• Removing the left and right hand straps form the upper bag support
• Undo and remove the screws holding the strap in position on the bag support
• Remove and replace both bag straps
• Insert bag strap securing screws.

10.4 MGI Service Schedule

It is the owner's responsibility to ensure that all periodical checks, necessary adjustments and services are carried out. If in doubt please contact the MGI service centre on 1300 644 523. Any work performed on your buggy should be recorded on your service record (see page 21) regardless of the work.

MGI ZIP X5	Monthly	6 Monthly	Every 2 yrs	Every 3 yrs
Wipe down the buggy with a warm cloth after each use (do not hose)	BO			
Lubricate rear wheel stub axles	BO			
Check and tighten nuts and bolts		BO		
Check and tighten handle pivots		BO		
Check alignment of buggy – ensure that it runs straight		BO		
Replace Speed Controller and On/Off switch assembly				BO /SC
Replace rear and front wheels				BO
Replace upper and lower bag straps				BO

BO = Buggy owner can carry out this work
SC = Charged work to be carried by approved service centre
BO/SC = The six monthly service can be completed by either an authorised service centre or the owner of the buggy.

10.5 Service Record for All Buggies

6 month inspection	Date: Invoice #:	Serviced by: Signature:
1 year inspection	Date: Invoice #:	Serviced by: Signature:
1 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
2 year inspection	Date: Invoice #:	Serviced by: Signature:
2 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
3 year inspection	Date: Invoice #:	Serviced by: Signature:
3 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
4 year inspection	Date: Invoice #:	Serviced by: Signature:
4 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
5 year inspection	Date: Invoice #:	Serviced by: Signature:
5 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
6 year inspection	Date: Invoice #:	Serviced by: Signature:

11.0 Service and Repair Centres

For all servicing, please do not go back to your place of purchase.

MGI offers the largest network of Service Centres in Australia and New Zealand. To find your nearest Service centre visit www.mgigolf.com

For warranty repairs to be authorised you MUST provide proof of purchase. Please keep this with you as well as your Serial number you can record in this manual. It is most important you register your MGI Buggy online for warranty purposes.

12.0 Purchasing Parts and Accessories

You are welcome to service your buggy out of warranty, by purchasing parts direct from MGI. Please call or email to discuss the right parts and instructions.

13.0 Contacting MGI

MGI Golf Head Office
Address:
11 Maurice Court, Nunawading VIC Australia 3131
Phone: + 61 3 8872 6700
Local Toll Free: 1300 644 523 (excludes mobiles)
Email: sales@mgigolf.com   **Web: www.mgigolf.com**

14.0 Contacting Local Agent

Please refer to www.mgigolf.com to find the distributor in your country.

15.0 FAQ

Q: My buggy is not tracking straight.
A: You can do a simple realignment on the two front wheels. See section 5.2 Adjusting and aligning the front wheels.

Q: I would like to have my MGI buggy serviced. Who do I call?
A: Visit www.mgigolf.com to find your nearest Service Centre using your postcode within Australian and New Zealand. You can also call MGI Head office using any of the contact details. See Section 12.0 for details. Internationals please call your local agent as per Section 13.0

zipSERIES

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www.mgigolf.com