





Contents

1.0	Registration	04
2.0	What's Included	04
3.0	Assembling your buggy	05
3.1	Attaching the Front Wheels	05
3.2	Attaching the Rear Wheels	05
3.3	Rear Wheel Positions	06
3.4	Unfolding	07
3.5	Folding	08
3.6	Positioning the Seat	09
3.7	Positioning the Sand Bucket Loop	09
3.8	Attaching the Umbrella Holder	10
4.0	Battery Care	10
4.1	Charging Your Battery	10
4.2	Tips and Looking After Your Battery	11
4.3	Plugging in the Battery	11
5.0	Battery Fuse	12
6.0	Front Wheels	12
6.1	Adjusting and Aligning the Front Wheels	13
6.2	Front Wheel Maintenance	14
7.0	Fifth Retractable Rear Wheel	14
8.0	Fitting Your Golf bag	14
9.0	Operating the Top Box	15
9.1	On/Off Speed Control button	15
9.2	Battery Level Indicator	15
9.3	Remote Battery Level Indicator	16
9.4	Units Measurements	16
9.5	Distance Modes	16
9.6	Competition Mode	17
10.0	Remote Control Features	17
10.1	Charging your Remote Control	18
10.2	Forward Arrow	18
10.3	Down Arrow	18
10.4	Left and Right Arrow	18
10.5	Speed Control - Manually and Remotely	18
10.6	Keypad Unlock and Lock	19
10.7	Remote Range and Safety Stop	19
11.0	Gyroscope Anit Deviation Navigation System	19
12.0	Integrated GPS Holder and Compartment	20
13.0	Integrated Solar Charging	20
14.0	Warranty	20
14.1	Warranty Policy	20
14.2	Warranty Exclusions	21
14.3	Parts Installed During Warranty	21
15.0	Preventative Maintenance Program	21
15.1	Cleaning Your MGI Quad Buggy	21
15.2	Rear Wheel Axles Maintenance	22
15.3	Upper and Lower Bag Strap Maintenance	22
15.4	Correcting the Alignment	22
15.5	MGI Service Schedule	22
15.6	Service Recording	24
16.0	Service and Repair Centres	25
17.0	Purchasing Parts and Accessories	25
18.0	Contact MGI	25
19.0	Frequently Asked Questions	26
17.0	ricqueiniy Asked Questions	20



I.O 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 under the battery tray.

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 ANQV01234567890)

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 Quad Buggy
- Remote Control
- 12v Lithium ion Batterv
- Battery Charger
- Padded Seat with Bracket
- Sand Bucket Loop
- Umbrella Holder
- Lower Bag Strap
- 5th Retractable Wheel
- USB Cord (for remote control charging using PC or adaptor (not provided)

Spare parts

- Speed Button x 1
- 40A Fuse Connector x 1 (see battery care section)
- 4mm Allen Key (for aligning front wheel as required)
- 4 x Rubber Gaskets for the rotating front wheel housing (see front wheel maintenance section)

3.0 Assembling Your Buggy

3.1 Attaching the Front Wheels

The two front wheels need to be attached to your MGI Quad Buggy. There is no difference between each front wheel so either can be placed on the left or right side. Simply line up the silver pin on the front wheel with the buggy and push into the frame until you hear a positive click. You can test the wheel is in position by pulling firmly on the wheel. It should not move out of position.





3.2 Attaching the Rear Wheels

Step 1. On the wheel, slide the release button across.



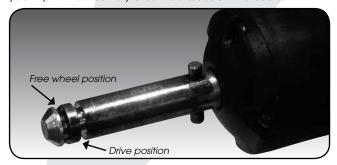
Step 2. You will notice you need to match up the inner female slot of the axle and the male of the wheel. When placed in position simply release the button. You will notice you hear a "click" when the wheel is properly secured. To check that the wheel is properly in position pull on the wheel. If it is properly in position it will not slide off. Repeat for the right wheel.





3.3 Rear Wheels positions

The MGI Quad 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 vou experience battery or service issues on the course.



i. Drive position - Lock the wheel onto the groove closest to the battery tray. To do this, while sliding the release button on the wheel across, push the wheel on to the axle as far as possible. To test for drive position trying rolling the wheel forward. 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 furthest from the battery tray. To do this, while sliding the release button across on the wheel, 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 forward. The wheel should spin freely with no resistance. Repeat for both wheels.

3.4 Unfolding



Step 1: Ensure both rear and front wheels are attached.



Step 2: Release fold lever 1.



Step 3: Slide fold lever 2 upwards to release the handle.

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





07



Step 5: Close the fold lever 2 to lock the handle into place.





Step 6: Bring the top bag support brackets together, then lock together using the button.







3.5 Folding



Step 1: Open the fold lever 2 to release the handle.



Step 2: Press the button shown while applying pressure down to close.

Step 3: Lower buggy down flat and close fold lever 2 to lock handle.





3.6 Positioning the Seat

Step 1: Using the bracket provided, feed it through as shown in the picture.





Step 2: Secure the bracket by adding the screw in the position shown.



Step 3: You can now insert the seat into the bracket.

IMPORTANT: Depress the seat with your hand before sitting. Do not use the seat on uneven surfaces. MGI does not warranty any seat support brackets that are damaged or bent.

3.7 Positioning the sand bucket loop



 Add the Sand Bucket Loop here.

The Sand bucket loop can be added to other end of the seat bracket.



Your buggy will look like this once the seat and sand bucket loop are added. For personal choice, these accessories can be placed on either side of the buggy.



3.8 Attaching the Umbrella Holder

The umbrella holder is attached to the frame using the largest bolt. Screw this into the frame as shown in the picture.



Your umbrella holder can be adjusted both to the side, backwards and forwards. The umbrella is secured inside the umbrella holder by tightening the plastic bolt located near the top of the holder.

IMPORTANT: Do not leave your Umbrella up in the holder in windy conditions. If the wind catches the umbrella, it could cause your buggy to tip over and cause damage, which will not be covered by warranty.

4.0 Battery Care

4.1 Before using your MGI Quad buggy for the first time you must fully charge your battery overnight.

The MGI Navigator Quad can only be used with the:

MGI 12v 24amp Lithium battery

To charge your battery:

- Unplug the battery from your buggy (after play).
- Plug the charger into a power point,
- Plug the charger into the battery.

There are lights on the charger to help you understand the charging process.

INDICATOR

- POWER ON / CHARGED
- CHARGING
- AUTO POWER OFF (GREEN LED FLASHING)
- FAULT (RED LED FLASHING)

- The Green LED illuminates to indicate the charger is power on.
- The Red LED indicates the battery is charging.
- The LED will turn Green when the battery is fully charged.
- The LED will flash Green when the battery is on float charge.
- The Red LED will flash is there is a fault with the charger.

4.2 Tips and Important information about Charging your Battery

- Always recharge the battery as soon as possible after use, no matter how short the period of use. Leaving your battery uncharged will only reduce the life of the battery.
- Your battery will charge best, lying flat, in a warm and air flowing location.
- In winter, it is best charged off any concrete floor and preferably in a warm location within the house.
- The charger is a smart digital charger and will not over charge your battery. Therefore in between use, always leave the charger connected to the battery with power on.

Looking after your battery during play and travel

- During play, minimise the drain on the battery by avoiding taking your buggy into the rough whenever possible.
- Avoid using the buggy to pull you up the hills
- If you are intending to take your buggy and battery on a flight, we advise that you make contact with your airline prior to travel.
- Be very careful not to drop your battery. The battery casing is easily cracked and the battery's subsequent life will be severely compromised.
- Do not carry the battery by the leads, but use built in strap.
- Do not submerge the battery in water.

Please refer to the Battery Charger User Manual for a complete list of important information.

4.3 Plugging Your Battery into the Buggy



Step 1: Place the battery into the universal battery tray.





Step 2: Plug the battery into the buggy as shown.

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

5.0 Battery Lead Fuse

Your battery has a 40amp fuse connected to the battery lead. The 40 amp fuse helps protect the buggy's control board against a power surge. An extra fuse is supplied with your buggy. In the unlikelihood of your buggy stopping, the reason could be the fuse has blown. Replacing the fuse is simple.

The fuse is located on the positive lead close to the battery terminal.

To replace the fuse, simply open the case and remove the existing fuse with a pair of pliers. Insert the new fuse ensuring the two feet are guided into their sleeves. Refit the fuse cap.

6.0 Front Wheels

6.1 .Removing Front Wheels

The front wheels can be removed by pressing the blue button shown in the picture and pulling the wheel down until it is completely removed from the buggy.





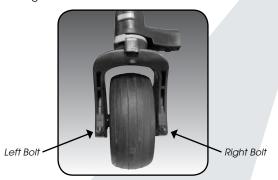


6.2 Adjusting and Aligning the Front Wheels

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

- Start the buggy using the manual controls on a straight, flat path. Do not start using the remote otherwise the Navigation system will start. Watch the buggy to see if it veers left or right
- Now turn the wheel you want to adjust until you see the two adjusting bolts in the front wheel as per the below picture.
- If the buggy veers left, use the 4mm Allen Key provided in the Quad free spare parts to screw the right bolts (in both front wheels) clockwise and/or the left bolts (as shown in below picture) anti clockwise.
- If the buggy veers right, use the 4mm Allen Key provided in the Quad free spare parts to screw the right bolts (in both front wheels) anti clockwise and/or the left bolts (as shown in below picture) clockwise.

Please note that there is a process in adjusting the track as above point 3 and 4. 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. After the buggy tracks straight, do not swap the left and right front wheels.



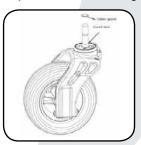


6.3 Front Wheel Maintenance

During the life of the MGI Quad buggy, you may experience wearing of the front wheel gasket. This may result in a noise coming from the front wheel during use. You can replace this gasket at home using 1 of the 4 gaskets included in the spare parts included with your buggy. Follow these easy steps

Step 1: Remove the front wheel following the steps above.

Step 2: Place the rubber gasket over the wheel pin.



7.0 Fifth Retractable Rear Wheel

The MGI Navigator Quad comes standard with a fifth retractable rear wheel. This wheel MUST be retracted into position at all times when in use. This will reduce damaging the buggy, and provide the ultimate in stability across all terrains. This fifth wheel should be cleaned regularly with a cloth to ensure to can retract as required for storage.

8.0 Fitting Your Golf Bag

Securing the top bag strap

- Provide a good position for the positioning of both ends of the elasticised straps
- Stretch the longer end of the strap and secure to the extended shorter end
- The attached strap should now be connected





Adjusting the length of the top strap

 The plastic bar on the longer length can be adjusted to ensure the bag is secured properly in place.

Securing the lower bag strap

 The MGI Quad buggy is designed so the lower bag strap is no longer required. However the lower strap has been included for your own preference. It is easily attached by clipping each end of the strap into the eyelets on the lower bag support.

9.0 Operating the Digital Top Box



- 1. Control button 1
- 2. Control button 2
- 3. Speed Control ON / OFF button
- 4. Speed indicator
- 5. Battery level indicator
- 6. S-SLA battery type / L Lithium
- 7. Remote battery Level Indicator

9.1 On/Off Speed Control button

To start your buggy:

- Preset your desired speed by rotating the speed control button clockwise to increase speed, or anticlockwise to decrease the speed. The speed setting chosen is displayed on the colour screen on the left side. Then tap the speed control button to start and stop the buggy, or
- Simply tap the speed control button to start the buggy, then adjust the speed settings to your desired speed.

9.2 Main Battery Level Indicator

Battery indication is located on the right side of the top 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.



The battery indicator is set to L for Lithium as the Navigator Quad is only compatible with the MGI 12v 24amp Lithium battery.



9.3 Remote Battery Level Indicator

The MGI Navigator Quad remote is powered by a rechargeable lithium battery. See section 10.1 for tips on recharging". The Digital top box displays the remote control battery level on screen so you can track the power level.

9.4 Unit measurements

You can move from kilometres to miles simply by pressing the Control button 2 (on the right).

9.5 Distance Modes

There are three distance measurements. To move between the modes by pressing the Control button 1 (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 Control button (left side) 1 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.







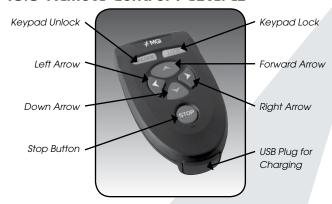
9.6 Competition Mode

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 Quad buggy.

To disable the distance recording feature, simply hold down the two control buttons at the same time for 3 seconds. By doing this the distance recording will be removed from the screen and replaced with the words "Comp Mode".



IO.O Remote Control Features





10.1 Charging Your Remote Control

Before you start using your Navigator Quad you must fully charge the remote control internal lithium ion battery for approximately 6 hours or overnight using the USB cord provided. The top right LOCK button will flash while charging. When a full charge is complete, the green light will stay on and stop flashing.

To charge the remote, plug the USB cord into the USB plug at the base of the remote as pictured in the diagram. The cable then needs to be plugged into your PC or Laptop for charging. Alternatively you can plug the cable into an AC adaptor (not provided).

To check the level of power in the remote, use the remote to control to direct the buggy, or at least press a button to talk to the Digital top box and the remote control battery level will show on the screen on the buggy. See section 9.3 for more information.

10.2 Forward Arrow

Press the forward button to start the buggy and accelerate the buggy. The longer you depress the button, the faster the buggy travels.

10.3 Down Arrow

The down arrow decreases the speed and provides for reverse. If you are moving forward, the down arrow can be used to decrease speed, the longer the pressure, the slower the speed. To operate the Reverse mode you must stop the buggy first. Press the down arrow and the buggy will reverse. The buggy will move in the backward direction only whilst you keep the arrow depressed. If you take your finger off the down arrow the buggy will stop (safety feature).

10.4 Left and Right Arrow

Press the appropriate turn command, left or right buttons and keep pressed until the degree of turn is achieved. Momentary pressure will make a small adjustment to the direction, whilst prolonged pressure will increase the amount of turn and speed of the turn.

10.5 Speed Control - Manually and Remotely

Under manual control, you can adjust the speed by turning the speed control button to the left or right. When changing to the remote control, irrespective of the speed level indicated on the display, the buggy will always start at speed 1.

10.6 Keypad Unlock and Lock

The remote control has two buttons at the top which allow you to LOCK and UNLOCK the keypad. This will help eliminate accidental control when storing the remote in your pocket. The STOP button will continue to work, when the LOCK feature is activated.

10.7 Remote Range and Safety Stop

The Navigator Quad can be remotely controlled up to 50m. If the remote control is not touched for 150m, then the automatic safety stop will activate causing the buggy to stop. This is for the protection of your buggy, yourself and others. If the buggy was last activated using the manual controls, the auto safety stop feature will not operate.

II.O Gyroscope Anti Deviation Navigation System

The Navigator Quad is built with a Patented Gyroscope "antideviation" navigation system. This automatic feature ensures the buggy maintains its direction regardless of the terrain. The buggy will automatically brake or accelerate either wheel to maintain its direction.

When the buggy is controlled by the remote, the Navigation system is always ON.

When the buggy is controlled manually, the Navigation system is always OFF.

Tip: On a steep incline, the gradient may force the buggy off line. You do not need to adjust the buggy. The buggy will work its way back on course. In addition, if the buggy hits a tuft of grass or other object, the buggy will momentarily be forced off course. Do not be concerned. The buggy knows where to go and will get back on track quickly.



I2.0 Integrated GPS Holder and Compartment

In the top handle compartment is an integrated GPS/mobile device holder. To open the holder the holder always press the Coloured button at the top of the holder. Place the GPS into the cradle, then close the holder by squeezing the two sides closer together.



13.0 Integrated Solar Charging

An optional Solar Charger accessory is available to fit into the top handle of the MGI Quad buggy. Once installed, the MGI Quad is fitted with a charging cable located in the top hand compartment.



On the purchase of a Solar Charger, you will receive adaptors to use this cable to recharge any GPS or mobile device while sitting in the GPS holder.

14.0 Warranty

14.1 Warranty Policy

The MGI Quad 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 Quad buggy has been properly used, maintained and regularly serviced (see section 12)
- 2. The replacement or repair is performed by an authorised MGI service centre or the owner with MGI approval.

The buggy has been registered online.

14.2 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.

14.3 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.

15.0 Preventative Maintenance Program

To properly provide for the continued operation of your MGI Quad 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.

15.1 Cleaning Your MGI Quad 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 your 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.



15.2 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 your axle and regrease fortnightly.

15.3 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

15.4 Correcting the Alignment

See the front wheel alignment in Section 6.2.

15.5 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 5) regardless of the work.

MGI Navigator Quad Gyro	Monthly	6 Monthly	Every 2 yrs	Every 3 yrs
Wipe down the buggy with a warm cloth after each use (do not hose)	вО			
Clean the 5th wheel	ВО			
Lubricate rear wheel stub axles	ВО			
Check and tighten nuts and bolts		BO /SC		
Check and tighten handle pivots		BO/SC		
Check alignment of buggy - ensure that it runs straight		BO /SC		
Replace Speed Control button			BO/SC	
Replace speed controller and On/ Off switch assembly			BO/SC	
Replace rear and front wheels				ВО
Replace upper and lower bag straps				вО

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 bugay.



15. 7 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:

16.0 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.

17.0 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.

I8.0 Contacting MGI

MGI Golf Head Office

Address:

11 Maurice Crt, 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



19.0 FAQ

Q: The front wheel is noisy in operation.

A: You may need to change the front wheel gasket caused from wear and tear. See section 5.3 Front wheel maintenance

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: Why does my MGI Quad buggy no longer have a lower bag strap?

A: The MGI Quad buggy has been designed so the lower bag strap is no longer required. If you would prefer one for personal reasons, the lower bag strap is included with the spare parts when the buggy was purchased

Q: I would like to have my MGI Quad 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 15 for details.

