MGI™

AI SERIES

POWERED BY sureshot

HALO EYE

Quick Start Guide

VERSION 1.0

MGI AI SERIES
POWERED BY sureshot

THANK YOU FOR LEADING THE WAY AND PURCHASING AN MGI HALO EYE

This guide provides a practical overview of how the MGI Halo Eye works and how to use the key modes safely on-course.

IMPORTANT

ASSISTANCE FEATURES (GEO PROTECT, FOLLOW ME, HOME, POINT TO POINT AND OBSTACLE AVOIDANCE) HELP REDUCE RISK AND IMPROVE CONVENIENCE, BUT THEY CANNOT DETECT EVERY HAZARD IN EVERY CONDITION. ALWAYS BE AWARE OF THE MGI AI NAVIGATOR HALO'S POSITION AND KEEP THE REMOTE ON HAND AT ALL TIMES.

WHAT'S INCLUDED:

- ☐ MGI Halo Eye Unit
- ☐ Mounting Arm with USB-C Cable
- ☐ Cleaning Cloth
- ☐ Quick Start Guide

ALWAYS ENSURE THE COURSE MAP IS FULLY UP-TO-DATE BEFORE USING THE MGI HALO EYE. PLEASE REFER TO THE MGI AI NAVIGATOR HALO USER MANUAL FOR FURTHER INFORMATION ON UPDATING COURSES.

1.0 OVERVIEW

The MGI Ai Navigator Halo is a GPS-enabled remote-controlled golf buggy. MGI Halo Eye is an accessory that adds hands-free following and autonomous navigation modes for on-course convenience.

Key MGI Halo Eye modes at a glance:

- FOLLOW ME
- HOME
- POINT TO POINT
- OBSTACLE AVOIDANCE (always on).

2.0 SAFETY FIRST (READ BEFORE USE)

WARNING

The MGI Ai Navigator Halo may move without warning when an assistance mode is active. Hands, feet and loose items must be kept clear of wheels and moving parts. The remote must be kept within reach at all times so the MGI Ai Navigator Halo can be stopped immediately.

- Avoid use near roads, carparks, traffic, drop-offs, stairs, steep slopes, unstable ground and water edges. Autonomous modes must not be used in crowded areas. Pedestrians, golfers and course staff must always be given priority.
- Autonomous modes must be turned off before taking a shot. In FOLLOW ME mode, the MGI Ai Navigator Halo may move as position changes or clubs are retrieved.
- If any situation feels unsafe, stop the MGI Ai Navigator Halo using the remote and/or switch it off using the MGI Ai Navigator Halo's controls.

Assistance feature limitations

- OBSTACLE AVOIDANCE and FOLLOW ME are assistance features only and may not detect every hazard or object in all conditions. Poor visibility, including rain, fog, dust and glare, as well as tight turns, very close distances and reflective or transparent surfaces, can reduce sensor performance.
- Course mapping and GPS accuracy can vary. The MGI Ai Navigator Halo must always be supervised, and manual control must be taken whenever required.

3.0 FIRST-TIME SETUP

Charge the MGI Ai Navigator Halo's battery and remote before first use. For the best experience, connect the MGI Ai Navigator Halo to Wi-Fi when prompted to complete registration, if not already done, and install any available software updates.

Ensure the trolley is running version 2.1.5 or later (you may see a newer version available).

Registration
(required for advanced MGI Ai Navigator Halo features)

Registration is required before advanced features can be used.

- Power on the MGI Ai Navigator Halo.
- When prompted, connect to Wi-Fi.
- If prompted, run the firmware update. After any update/ reboot, follow the on-screen prompts to continue.
- Complete registration when prompted:
  – Enter first name and last name
  – Enter email address and phone number
  – Create a password
  – Agree to MGI Terms & Conditions.
- Registration enables:
  – Hole View Mode
  – Round History
  – Advanced Scoring Statistics
  – FOLLOW ME (MGI Halo Eye feature)
  – HOME (MGI Halo Eye feature)
  – POINT TO POINT (MGI Halo Eye feature)
  – Geo Protect.

Registration also records the device for warranty purposes, can speed up servicing, and enables update notifications.

If registration was skipped

During initial start-up, the registration process follows the tutorial.

- In the Main Menu, a blue registration banner may appear above the menu items
- Main Menu > Settings > About > Register Device
- Confirm registration status
- Main Menu > Settings > About

If registration is complete, the registered name, phone number, and email address are shown beneath the device name.

If registration is incomplete, a Register Device option is shown.

4.0 INSTALLING MGI HALO EYE

Before starting

- Power the MGI Ai Navigator Halo off.
- Only use genuine mounting hardware and cables.

Mounting Arm fold positions

The Mounting Arm can be locked in three positions:

Position 1: Storage position

Fully fold the Mounting Arm down and secure it using the locking lever. Assistance modes must not be used in this position.

Position 2: Use position

Unfold the Mounting Arm until it forms a semi-circle position and locks in place.

Position 3: Golf bag access position

Extend the Mounting Arm further to allow a golf bag to be placed on or removed from the MGI Ai Navigator Halo. Assistance modes must not be used in this position.

Mounting the MGI Halo Eye

Step 1: Unfolding the Mounting Arm

Fully extend the mounting arm and lock into position using the locking lever.

Step 2: Installing the Mounting Arm

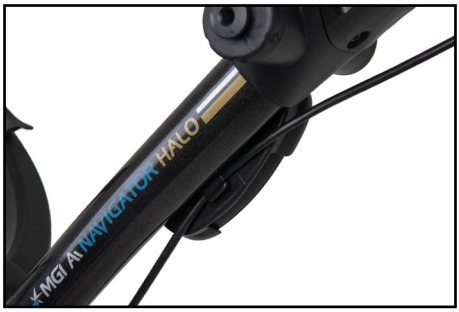
- Locate the securing bolt at the base of the mounting arm.
- Position the arm so it connects to the right-hand side of the upper bag support (when facing the screen).
- Tighten the arm firmly until it is secure. Do not leave it loose.

Step 3: Connect the Power Cable

- Plug the USB-C cable of the mounting arm into the lower, uncovered USB-C port on the underside of the top handle.
- Ensure the connection is fully seated and secure.

Step 4: Cable Management

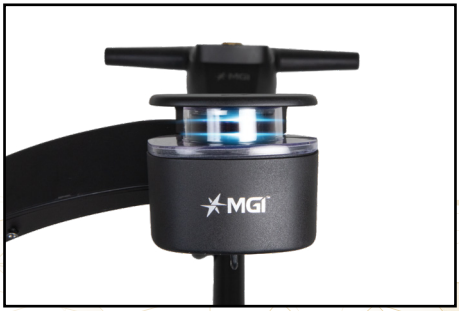
- Route the cable through the remote holder's built-in cable management slot so it's secured, won't hang loose, and can't snag or rub on moving parts.



Step 5: Final Checks

- Ensure the LiDAR window is completely unobstructed (no bag straps, towels, scorecard holders, rain covers, etc).
- Double-check all mounts and cables are secure.
- Power on the MGI Ai Navigator Halo.
- Confirm the MGI Halo Eye is connected and ready.

If connected correctly, you will see blue/purple lights on the MGI Halo Eye device. The MGI Halo Eye will calibrate automatically either during the MGI Ai Navigator Halo's initial boot-up (if the MGI Halo Eye is connected before powering on) or immediately after connection (if the MGI Ai Navigator Halo is already powered on). An on-screen calibration message will appear and disappear once calibration is complete. During calibration, keep the MGI Ai Navigator Halo and the MGI Halo Eye completely still by not moving the MGI Ai Navigator Halo and ensuring it remains level. If calibration takes longer than 1 minute, unplug the MGI Halo Eye and reconnect it to restart the process.



5.0 USING THE MGI HALO EYE MODES

1. Indicator LED
2. Remote LOCK / Remote OFF
3. Forward Button
4. Right Button
5. Backward Button
6. Return HOME
7. Geo Protect ON / OFF
8. FOLLOW ME
9. Stop
10. Left Button
11. Park Brake

5.1 FOLLOW ME

FOLLOW ME uses LiDAR to lock onto the closest clear target in front of the MGI Ai Navigator Halo when you press FOLLOW ME. Once locked, the MGI Ai Navigator Halo follows behind you and automatically adjusts its distance based on your walking speed. Use FOLLOW ME only while you are walking forward with the MGI Ai Navigator Halo following behind you.

Operator responsibility (read before use)

- You are responsible for the MGI Ai Navigator Halo at all times.
- Always stay aware of where the MGI Ai Navigator Halo is and what it is doing, even while it is following behind you. Check its position regularly, stay alert to its path and surroundings, and be ready to press Stop at any time.
- FOLLOW ME is an assistance feature only. Do not solely rely on it to avoid hazards, people, or obstacles.

Typical behaviour

- **Follow distance:** approximately 2.5 m (3 yd) behind you (automatic and speed-adjusted).
- **Maximum follow speed:** 12.
- If you are too close to the LiDAR (about 1–2 m (2–3 yd)), the MGI Ai Navigator Halo may pause to maintain spacing.

Start FOLLOW ME

- Move the MGI Ai Navigator Halo to open, level ground with a clear, unobstructed path.
- Stand directly in front of the MGI Ai Navigator Halo and ensure you are the closest clear target.
- Press FOLLOW ME on the remote. Once locked, the FOLLOW ME indicator turns blue.

- Start walking at a steady pace, keeping the MGI Ai Navigator Halo behind you on the same line.

Stop FOLLOW ME

- Press Stop, or press FOLLOW ME again to turn FOLLOW ME off.
- Any manual drive input that changes speed or direction will cancel FOLLOW ME immediately.

Turn FOLLOW ME off before you:

- take a shot.
- stop for an extended period.
- walk back to the MGI Ai Navigator Halo to access clubs or the golf bag.

Do NOT stop FOLLOW ME on a slope:

- stopping FOLLOW ME on an incline can cause the MGI Ai Navigator Halo to roll toward you.
- always move to level ground before stopping FOLLOW ME.
- If FOLLOW ME disengages on its own (especially on a slope).

FOLLOW ME may disengage automatically if:

- line of sight is lost.
- an object or person crosses between you and the MGI Ai Navigator Halo.
- terrain or slope conditions interrupt tracking.

WARNING

Never attempt to re-enable FOLLOW ME while standing downhill of the MGI Ai Navigator Halo.

Do not use FOLLOW ME when you are:

- walking back toward the MGI Ai Navigator Halo and put the park brake on.
- standing beside, behind, or very close to the MGI Ai Navigator Halo.

Slopes: critical rule

- Do not stop FOLLOW ME on a slope. Always move to level ground before stopping FOLLOW ME.
- If you must stop on a slope, ensure the park break is activated.
- If you are unsure of the MGI Ai Navigator Halo's movement at any time, press Stop or park brake immediately.

If FOLLOW ME disengages on a slope:

- Keep clear of the MGI Ai Navigator Halo's path and do not step downhill in front of it.
- Use the remote immediately to activate the park brake immediately, or manually drive the MGI Ai Navigator Halo to stable, level ground.
- Once on level ground and fully stationary, you may re-enable FOLLOW ME or continue in manual control.

If FOLLOW ME loses you

- The remote may vibrate if the MGI Ai Navigator Halo loses line of sight to you, or if a person or object passes between you and the MGI Ai Navigator Halo.
- Stop walking and confirm the MGI Ai Navigator Halo is completely stationary.
- If you are on a slope, apply the parking brake and do not attempt to re-enable FOLLOW ME while standing downhill of the MGI Ai Navigator Halo.
- Step into clear view directly in front of the MGI Ai Navigator Halo on level ground, then press Follow to re-enable.

FOLLOW ME best practices

- Use FOLLOW ME only while actively walking forward, with the MGI Ai Navigator Halo behind you.
- Turn FOLLOW ME off before returning to the MGI Ai Navigator Halo to access clubs or items from the golf bag.
- Avoid tight hairpin turns, especially where you pass close in front of the LiDAR.
- Maintain at least 2–3 m (3–4 yd) clearance from other golfers and MGI Ai Navigator Halos.
- Never stop or re-enable FOLLOW ME on a slope. If it disengages on a slope, use the remote immediately and move to level ground.

Use extra caution on:

- slopes
- wet grass
- gravel paths
- bridges
- narrow walkways.

5.2 HOME

HOME uses GPS in the MGI Ai Navigator Halo and the remote to guide the MGI Ai Navigator Halo back towards the remote's current location.

IMPORTANT (READ BEFORE USE)

HOME is intended for mapped fairways only. It may not operate as expected in rough, bunkers, on the green, or other off-fairway areas.

A fairway may appear clear visually but still be outside the mapped fairway (based on current course mapping and GPS position). If HOME does not behave as expected, open the mapped fairway view on the MGI Ai Navigator Halo and

confirm the MGI Ai Navigator Halo and remote location are within the mapped boundary.
The operator is responsible for controlling the MGI Ai Navigator Halo at all times. Supervise the MGI Ai Navigator Halo while HOME mode is active and keep the remote ready to press Stop immediately.

Use HOME

Confirm the MGI Ai Navigator Halo is on the mapped fairway and has a clear path.

Press HOME on the remote.

Monitor the MGI Ai Navigator Halo's path and surroundings and be ready to press Stop at any time.

Typical Behaviour

- **Travel speed:** up to 8 (maximum).
- The MGI Ai Navigator Halo must be on the mapped fairway to start travelling.
- The MGI Ai Navigator Halo will attempt to travel to the remote's location and will generally stop within about 5 m (6 yd) (GPS accuracy dependent).
- When the MGI Ai Navigator Halo arrives within about 5m (6 yd), the remote will vibrate.
- If a safe path is not available (for example, mapped hazards or unsafe routing), the MGI Ai Navigator Halo will get as close as possible and stop.
- If HOME stops early or does not reach the remote
- The MGI Ai Navigator Halo may stop part-way if it determines it is unsafe to proceed.
  – Press HOME again to attempt the approach again, or
  – Use manual control to reposition the MGI Ai Navigator Halo to a safer location, then try HOME again.
  – When HOME may not work well (or may not move).

- HOME may not operate as expected in these situations:
  - The MGI Ai Navigator Halo is not on the mapped fairway (even if it appears to be on the fairway visually)
  - Rough, bunkers, green, or other off-fairway areas.
  - Crowded areas, or when the MGI Ai Navigator Halo cannot identify a safe path.
  - The MGI Ai Navigator Halo is within about 5 m (6 yd) of a mapped hazard (for example water and bunkers) or the green.
  - The MGI Ai Navigator Halo is within about 5 m (6 yd) of the edge of the mapped fairway (GPS drift may place it outside the mapped boundary).

5.3 POINT TO POINT

POINT TO POINT sends the MGI Ai Navigator Halo to a selected GPS destination on the course map.

IMPORTANT

POINT TO POINT is intended for mapped fairways only. It may not operate as expected in rough, bunkers, on the green, or other off-fairway areas.

Before using POINT TO POINT:

- Confirm the most up-to-date course map is loaded. Please refer to the Ai Navigator Halo user manual for further information on updating courses.
- Confirm mapped hazards and the fairway layout on the screen visually match current course features (for example bunkers, water, and the green position).

POINT
TO POINT

Using POINT TO POINT

- Confirm the MGI Ai Navigator Halo is on the mapped fairway and has a clear path.
- During a round, open the map screen and tap the POINT TO POINT icon (bottom-left).
- Tap the map to select a destination (for example, a point near the green), then press Confirm.
- Supervise the MGI Ai Navigator Halo while the MGI Ai Navigator Halo is moving and keep the remote ready to press Stop if required.

Slopes: critical rule

- Use level ground whenever possible.
- POINT TO POINT can be started on hilly ground; however, extra caution is required.
- In hilly areas, continuously monitor the MGI Ai Navigator Halo during operation. The MGI Ai Navigator Halo may stop unexpectedly and a brake may not be applied automatically.
- If the MGI Ai Navigator Halo stops on a slope for any reason, press Stop and apply the parking brake immediately.
- If MGI Ai Navigator Halo movement is uncertain at any time, press Stop and apply the parking brake immediately.

Typical behaviour

- **Travel speed:** max speed 8.
- The MGI Ai Navigator Halo must be on the mapped fairway to start travelling.
- If the selected destination is on the mapped fairway, the MGI Ai Navigator Halo will attempt to stop within approximately 5 m (6 yd) of the destination (GPS accuracy dependent).
- If the selected destination is not on the mapped fairway (for example the green, rough, bunker, or water), the MGI Ai Navigator Halo will get as close as possible while remaining on the mapped fairway, then stop.
- If a safe path is not available (for example mapped hazards or unsafe routing), the MGI Ai Navigator Halo will get as close as possible and stop.

If the MGI Ai Navigator Halo stops short

- An early stop indicates the MGI Ai Navigator Halo has determined conditions are not suitable to continue.
- Resume manual control and reposition the MGI Ai Navigator Halo to a safer location, then try again, or

Use POINT TO POINT again with a shorter move or a destination that is clearly on the mapped fairway.

6.0 OBSTACLE AVOIDANCE (ALWAYS ON)

OBSTACLE AVOIDANCE is always on. It helps reduce bumps and impacts by monitoring the area directly in front of the MGI Ai Navigator Halo.

What it looks for

OBSTACLE AVOIDANCE may detect objects in front of the MGI Ai Navigator Halo, such as:

- people
- golf bags
- posts
- walls
- trees

What it will do

Depending on what is detected, the MGI Ai Navigator Halo may:

- slow down
- pause
- stop until the path is clear

If something is directly in front of the MGI Ai Navigator Halo, the MGI Ai Navigator Halo may stop and may not allow a speed increase until the area in front is clear.

Important to know

- OBSTACLE AVOIDANCE uses a 2D LiDAR sensor. Detection occurs in a horizontal scan plane approximately 1 m (1 yd) above the ground.
- Objects must intersect the scan plane to be detected. Very low objects, holes/dips, objects below the scan height, and high objects above the scan height (for example overhanging tree branches or railings above the scan plane) may not be detected.
- OBSTACLE AVOIDANCE can only detect what is directly in front of the MGI Ai Navigator Halo.
- Objects to the side, around a corner, or blocked by another object may not be detected.
- Stopping distance depends on travel speed.
- Higher speed requires more distance to stop.

Real-world limits

OBSTACLE AVOIDANCE may be less effective with:

- objects very close to the MGI Ai Navigator Halo (about 1 m (1 yd) or less).
- clear, shiny, or reflective surfaces (for example glass fencing, reflective signage, wet surfaces).
- reduced visibility (for example low light, glare, rain, fog, dust, heavy spray).
- very thin objects (for example flagsticks or ropes), depending on angle.
- objects that are very low to the ground or difficult to detect straight ahead, depending on position and angle.

Operator responsibility

- OBSTACLE AVOIDANCE assists operation but does not replace supervision.
- Maintain safe spacing from people, objects, and course features.
- Keep the remote ready to stop or steer if required.
- If operation is uncertain, switch to manual remote control and operate at low speed.

7.0 TRANSPORTING AND STORAGE

MGI Halo Eye is a precision electronic device. To prevent damage during travel and when not in use, handle carefully and store in protective packaging or a protective cover.

Transporting

- Fold MGI Halo Eye fully before transport.
- Transport MGI Halo Eye in protective packaging that cushions against knocks and vibration.
- Do not place heavy items on top of the MGI Halo Eye.
- Do not transport the unit loose in a vehicle boot or gear compartment where it can slide, rattle, or be impacted.
- Protect the LiDAR window from scratches and pressure during transport.
- Keep MGI Halo Eye dry during transport. Do not transport the device where it may be exposed to water or liquids.

Storage

- Fold MGI Halo Eye fully before storage.
- When not in use, store MGI Halo Eye in a protective cover or protective packaging. Do not leave the device loose or exposed.

Store in a clean, dry location away from:

- excess heat (for example inside a parked car on a hot day).
- moisture and condensation.
- dust and sand.
- direct sunlight for extended periods.

Store cables without tight bends and avoid strain on connectors.

Before next use

- Check for visible damage.
- Confirm the LiDAR window is clean and unobstructed before mounting and powering on.

8.0 CLEANING AND CARE

General cleaning

- Wipe surfaces with a soft, damp cloth.
- Do not use high-pressure water jets or pressure washers.

IMPORTANT

LiDAR window care

- Keep the LiDAR window clean and clear.
- Use a clean microfibre cloth.
- Do not use abrasive cleaners or rough cloths on the LiDAR window.

9.0 TROUBLESHOOTING

FOLLOW ME will not start

- Confirm MGI Halo Eye is connected correctly and, green lights are visible (blue/purple).
- If MGI Halo Eye was connected while the MGI Ai Navigator Halo was powered on, allow automatic calibration to complete (calibration message appears on-screen and clears when complete). Keep the MGI Ai Navigator Halo level and stationary during calibration. If calibration takes longer than 1 minute, unplug MGI Halo Eye and reconnect to restart calibration.
- If MGI Halo Eye was connected before powering on, allow calibration to complete during the MGI Ai Navigator Halo's initial boot-up.
- Move the MGI Ai Navigator Halo to open, level ground with a clear path.
- Ensure the operator stands directly in front of the MGI Ai Navigator Halo and is the closest clear target.

- Clean the LiDAR window and remove any dirt, moisture, or fingerprints.
- Press Follow again and confirm the Follow indicator turns blue once locked.

Trolley follows the wrong target

- Press Follow to turn FOLLOW ME off.
- Move away from other people, MGI Ai Navigator Halos, and objects that may become the closest target.
- Stand clearly in front of the MGI Ai Navigator Halo on level ground and re-enable FOLLOW ME only when the operator is the closest clear target.

Trolley stops unexpectedly

- Check for people, objects, or crossing traffic in front of the MGI Ai Navigator Halo.
- Check for tight turns or close pass-by in front of the LiDAR (about 1–2 m (2–3 yd)), which may cause a pause or stop.
- Check for slope or uneven terrain. If a stop occurs on a slope, press Stop and apply the parking brake immediately.
- Reposition the MGI Ai Navigator Halo to open, level ground and restart the required mode.
- Note: OBSTACLE AVOIDANCE uses a 2D LiDAR scan plane (approximately 1 m (1 yd) above ground). Objects below or above the scan plane may not be detected.

HOME / POINT TO POINT will not work (or will not move)

- Confirm the MGI Ai Navigator Halo is on the mapped fairway (mapped boundary on the screen, not visual appearance).
- Confirm the course map is up to date and the mapped fairway/hazards match current course features.
- Move the MGI Ai Navigator Halo to open fairway space and retry.
- If operating near mapped boundaries, move further inside the fairway (GPS drift may place the MGI Ai Navigator Halo outside the mapped fairway).
- Avoid starting HOME or POINT TO POINT within about 5 m (6 yd) of a mapped hazard or the fairway edge.
- If the area is crowded or the path is unclear, use manual control to reposition to a clearer line, then retry.
- For POINT TO POINT, select a shorter move or a destination clearly on the mapped fairway.

POINT TO POINT stops short

- Treat an early stop as a safety decision.
- Resume manual control and reposition the MGI Ai Navigator Halo to a safer location.
- Re-run POINT TO POINT with a shorter move or a destination clearly on the mapped fairway.
- In hilly areas, continue monitoring the MGI Ai Navigator Halo throughout operation. The MGI Ai Navigator Halo may stop unexpectedly and a brake may not be applied automatically. If a stop occurs on a slope, press Stop and apply the parking brake immediately.

10.0 WARRANTY, SUPPORT AND LATEST MANUALS

- MGI Halo Eye is covered by a limited 2-year manufacturer's warranty against defects in materials, workmanship and manufacturing. Refer to mgigolf.com for full warranty terms and conditions.
- For the latest product information, manuals and contact details, visit **mgigolf.com**.

GETTING YOUR MGI HALO EYE ON THE GOLF COURSE.

To view our MGI user manuals, scan the QR code below or visit our website **mgigolf.com**

For customer support, please contact MGI directly for immediate and professional advice by visiting **mgigolf.com**

1. FCC (US)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. ISED (Canada)

This Class B digital apparatus complies with Canadian ICES-003.

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