

**drive**

**DeVilbiss**  
HEALTHCARE



# Auto-Fold Scooter

Owner's Handbook

CE

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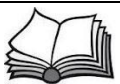
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# I. PREFACE

Please read this Owner's Manual before operating your scooter for the first time. Improper use or unfamiliarity of the scooter may result in harm, injury, or traffic accidents.

This Owner's Manual includes operation instructions, assembly instructions, and best practices to ensure maximum use from your scooter.

The symbols used throughout this Owner's Manual are explained below. Read carefully, and fully understand the sections marked with these symbols:

	<b>WARNING</b> – Improper use could lead to death, serious injury, hazardous conditions, or product malfunction.
	<b>ATTENTION</b> – Improper use could lead to injury and/or damage to your scooter.
	<b>SUGGESTION</b> – Follow these instructions for best practices, and to keep your scooter in prime operating order.

This Owner's Manual includes a repair maintenance record chart and warranty. Please keep it in a safe place, or with the scooter.

If someone else uses the scooter, please provide a copy of the Owner's Manual for their consideration.

This Owner's Manual is composed from the product design and specifications at the time of publication. As designs change, some illustrations and pictures in the manual may not correspond to the scooter that you purchased. We reserve the right to make design modifications.

This product has been designed to provide a comfortable and secure solution for users who have difficulty walking long distances and are capable of operating a compact mobility scooter. The product is a class I medical device and class II carriage (under the UK Road Traffic Act 1988).

The manufacturer disclaims all responsibilities for any personal injury or property damage which may occur as a result of improper or unsafe use of this product.

## II. SAFETY NOTICES

- **Be aware the device is a small scooter and is designed mainly for indoor use.** Extreme care should be taken when cornering and negotiating drops, obstacles and gradients.
- **Always ensure the scooter is fully folded out before sitting on the scooter.** Do not fold up the scooter until you have fully exited the scooter, and the backrest on the scooter seat is folded down and the armrests lowered to their lowest setting.
- The scooter folding mechanism features an anti-entrapment function. This is primarily designed to prevent damage to the armrests and backrests. In the event of the scooter being folded whilst the user is sat in the scooter folding will stop but some assistance may be required to unfold the scooter. Assist the mechanism by placing feet on the footplate and push forward slightly on the tiller bar whilst operating the folding mechanism. For this reason, folding the scooter whilst occupied is strictly prohibited.
- **Do not operate the folding mechanism whilst somebody is sat on the seat.**
- **Read and follow the information in the owner's manual.** Do not use this product or any available optional equipment without first completely reading and understanding these instructions. If you are unable to understand the warnings, cautions or instructions, contact your dealer before attempting to use this equipment, otherwise injury or damage may occur. Never try to use your scooter beyond its limitations as described in this manual.
- **Keep your feet on the foot board at all times during operation. Do not stand on the foot board.**
- Fully charge the battery after every trip and prior to using the scooter. If you do not frequently use the scooter fully charge the batteries every two weeks to prevent battery failure.
- If the battery gauge drops to red, charge the scooter as soon as possible. Completely discharging the batteries may damage the batteries, or shorten the expected life of the batteries.
- Keep metal objects away from the battery terminals, electric shock may occur.
- Always make sure the power is turned off when getting on and off the scooter.
- To ensure the user's familiarity with the scooter's operation, practice driving at low speeds in a spacious hazard-free area travelling forward, backward, left, right, decelerating, maneuvering up inclines, and down inclines.
- Avoid unnecessary movement of the scooter.
- Never reach or lean out of your scooter when driving.
- Do not fold or unfold the scooter on a gradient or slope. Only operate the scooter folding mechanisms on flat ground.
- Do not drive backwards down any step, kerb or other obstacle. This may cause the scooter to tip or fall.



## II. SAFETY NOTICES

- Always reduce your speed and maintain a stable centre of gravity when cornering. Do not corner sharply when driving scooters at higher speeds, and reduce speed prior to cornering.
- Make sure that there are no obstacles behind you while reserving your scooter.
- Do not allow children to play near or operate the scooter.
- **Temperature**
  1. Some of the parts of the scooter are susceptible to change in temperature. The controller can only operate in temperature that ranges between -25°C ~ 50°C (-13°F to 122°F).
  2. At extreme low temperatures, the batteries may freeze, and your scooter may not be able to operate. In extreme high temperatures, it may operate at slower speeds due to a safety feature of the controller that prevents damage to the motors and other electrical components.
- Avoid exposure to moisture, standing water, rain, snow, ice or salt when possible. Operating in rain, snow, salt, mist and on icy or slippery surfaces may have an adverse effect on the electrical system. In the event of being caught in rain, seek shelter immediately and dry the scooter thoroughly.
- Store in a clean and dry condition.
- Do not drive your scooter at night without proper lighting.
- Do not remove the anti-tip wheels or transit wheels
- Keep your hands and feet away from moving parts while driving.
- Be aware of loose-fitting clothes that can become caught in the drive wheels.
- Do not connect an extension cord to the battery charger.
- Disassembling the controller, motor, or charger by anyone other than an authorised Drive DeVilbiss service agent is prohibited, and voids any applicable warranty.
- Do not take your scooter on roads or highways.
- Do not operate your scooter when you are tired, or after consuming alcohol.
- Be cautious when driving your scooter in busy areas or shopping malls.
- Under no circumstances should the scooter be used as a seat in a motor vehicle.
- Do not attempt to lift your scooter by any parts other than the frame (for example seat or body shrouds)
- Do not switch off the power when the scooter is still moving forward. This will bring the scooter to an extremely abrupt stop.

## III. SAFETY GUIDELINES

### **GENERAL GUIDELINES**

Before operating your scooter fully read and understand this Owner's Manual.

**Be sure to follow the Quick Start Guide prior to using your scooter for the first time.**

Users may encounter difficult maneuvering situations such as narrow doorways, travelling up and down ramps, cornering, and travelling on uneven terrain. Be sure to lower the speed, take your time, and carefully manoeuvre the scooter.

### **MODIFICATIONS**

Do not modify, remove, disable, or add any parts, features, or functions on your scooter. Drive DeVilbiss offers a wide variety of accessories for your scooter to help accommodate your needs.



**WARNING** – Do not modify your scooter in any way; doing so will void the warranty.

### **SAFETY CHECK**



**ATTENTION** – Inspect the following components before each use:

- Electrical connections and wire harness – secure and free from corrosion
- Batteries – fully charged and free from corrosion
- Brake – check the electromagnetic brake is functioning
- Folding system – ensure the scooter is fully folded out

If you notice a problem please contact your authorised Drive DeVilbiss Provider for assistance.

# III. SAFETY GUIDELINES

## WEIGHT CAPACITY

This scooter has a maximum weight capacity that should never be exceeded. Please refer to Section XI SPECIFICATIONS for this information. The maximum weight capacity includes the user and any accessories.



**WARNING** – Exceeding the maximum weight capacity will void your warranty. Drive DeVilbiss will not be held responsible for injury and/or damages resulting from failure to observe weight capacities.



**WARNING** – Do not carry passengers on your scooter. Your scooter is designed and tested for one user to operate while seated.

## TRANSPORTING YOUR SCOOTER

When transporting your scooter by vehicle it should be securely stowed in the back of a van, truck, or car boot. Adjustable parts should be removed or properly secured during transport.



**WARNING** – Do not sit in your scooter while in a moving vehicle.

## TRANSFERS

Always have an attendant present while transferring in and out of your scooter.



**ATTENTION** – To reduce the possibility of an injury; perform transfers after the following steps are followed:

Safely reduce the distance between your scooter and the object you are transferring onto, turn the power off, and flip up or remove the armrests.



**WARNING** – Position yourself as far back as possible before transferring, and never place your weight or downward force on adjustable parts.

## III. SAFETY GUIDELINES

### INCLINE GUIDELINES

Use caution when approaching inclines or declines; if necessary lower the speed before travelling on a slope.

When travelling up an incline try to keep the scooter moving forward. If you must come to a stop, use caution and slowly accelerate the scooter forward.

When travelling down an incline lower the speed on your scooter to the slowest setting, and proceed cautiously. If the scooter is travelling down the incline faster than you expected, slowly release the throttle to come to a stop, then slightly push the throttle forward to continue safely down the incline.



**WARNING** – Drive your scooter straight up or down an incline, never backwards. Erratic movements, or back and forth patterns may increase the chance of tipping.



**WARNING** – Be careful when driving on inclines. Inclines vary, and doing so may decrease stability.

**WARNING** – Do not, under any circumstances, travel on a slope greater than the maximum stability angle for this scooter. Please refer to Section



XI SPECIFICATIONS for this information. Exceeding the stability angle may cause unstable conditions.

# III. SAFETY GUIDELINES

## STEPS, KERBS & FIXED OBSTACLES

Use extreme caution when operating your scooter near kerbs, porches, stairs, escalators, drop-offs, unprotected ledges, and raised areas.



**WARNING** – Never attempt to navigate your scooter over a fixed obstacle taller than the maximum ground clearance. Please refer to Section XI SPECIFICATIONS for this information.



**WARNING** – Never attempt to navigate your scooter backwards over an obstacle.



**WARNING** – Never attempt to operate your scooter on steps or escalators.



clearance

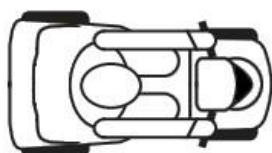
**ATTENTION** – Refer to the following guidelines and diagrams when travelling over a fixed obstacle lower than the maximum ground

of your scooter:

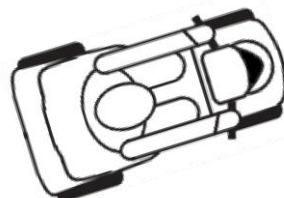
To manoeuvre up a fixed obstacle – Approach slowly, and make sure the front of the scooter is perpendicular to the obstacle. Increase the forward speed until the scooter has cleared the obstacle, and then you may reduce the speed or return the throttle to neutral.

To manoeuvre down a fixed obstacle – Approach slowly, and make sure the front of the scooter is perpendicular to the obstacle. Reduce the forward speed just before the front wheels come in contact with the obstacle, and remain at the reduced speed until scooter has cleared the obstacle, and then you may increase the forward speed.

**CORRECT  
APPROACH:**



**INCORRECT  
APPROACH:**



# III. SAFETY GUIDELINES

## **BRAKES & STOPPING**

Coming to a stop in your scooter can simply be done by releasing the throttle. The throttle will automatically return to the centre position, and the scooter will come to a stop.



**ATTENTION** – Quickly moving the throttle in the opposite direction of travel will cause the scooter to come to an abrupt stop, and if held continuously in the opposite direction may cause erratic movements if you are unfamiliar with the controls.

Your scooter is equipped with two types of brake systems:

- Regenerative brakes – when the throttle is returned to the centre position, or stop neutral position, regenerative brakes use electricity to quickly decelerate the vehicle.
- Park brake – once the scooter comes to a complete stop the park brake activates automatically locking the drive wheels.

## **OUTDOOR OPERATION & INCLEMENT WEATHER PRECAUTIONS**

While your scooter is purposed for in-home use to assist you in daily living activities; Drive DeVilbiss understands there are times you need to operate the scooter outdoors, and has designed it to perform superbly on level outdoor surfaces.



**ATTENTION** – When operating outdoors avoid uneven terrain, soft surfaces, tall grass, loose gravel, loose sand, fresh water, salt water, edges of streams, lakes or oceans. If you are unsure about a surface, avoid it.

Exposure to inclement weather should always be avoided. If you find yourself caught in inclement weather while operating your scooter, proceed to the closest shelter immediately. Completely dry your scooter before operating, charging, or storing.

## III. SAFETY GUIDELINES

### **PHYSICAL LIMITATIONS, PRESCRIPTION DRUGS, ALCOHOL & SMOKING**

You must exercise awareness, caution, care, and common sense when operating your scooter. Always keep in mind your own limitations, and substance use when operating your scooter.



**WARNING** – Never use your scooter while under the influence of alcohol or mind altering substances.



**WARNING** – Never smoke while seated in your scooter. Damaged or worn upholstery increases the risk of fire hazard, and should be replaced immediately.



**ATTENTION** – Be aware of your own physical limitations when familiarizing yourself with the scooter.



**ATTENTION** – Be aware of precautions, warnings, and safety issues when taking prescribed or over-the-counter drugs while operating your scooter.



## IV. EMI INFORMATION

Electromagnetic interference (EMI) tests have shown to produce adverse effects on the performance and control of electrically powered mobility devices.

EMI can be produced from different sources such as cellular phones, two-way radios, radio stations, television stations, amateur radio transmitters (HAM), wireless computer links, microwave signals, paging transmitters, and transceivers used by emergency vehicles.

The EMI waves can cause unintentional movement of the scooter, or damage to the controller. Every electrical powered mobility device has a resistance to EMI. The higher the resistance level the greater the protection. The intensity of the interference can be measured in volts per meter, V/m.

At this time, current technology is capable of achieving an immunity level of 20 V/m, which provides protection from more common sources of EMI. Your scooter, with no modifications, has an immunity level of 20 V/m.

EMI becomes more intense as you move closer to the source. The EMI produced from hand-held radios are of special concern. It is possible to unintentionally bring high levels of EMI very close to the scooter's control system, effecting your movement and braking. The warnings listed below are recommended to prevent possible interference with the control system of your scooter.



**WARNING** – Do not operate hand-held transceivers such as CB (citizens band) radios, or turn on personal communication devices, such as cellular phones, while the scooter is powered on.



**WARNING** – Be aware of nearby transmitters, such as radio or television stations, and avoid close proximity.



**WARNING** – If you experience unintended movement or brake release occurs, power off as soon as it is safe. Please report EMI incidents to Drive DeVilbiss.

## V. PARTS

Please refer to the diagram below to identify your scooter parts. Familiarise yourself with the terminology to better understand part references throughout the Owner's Manual.



## VI. OPERATION

Please refer to the diagram below to identify your scooter control panel and its functions. Familiarise yourself with the terminology to better understand references throughout the Owner's Manual.



## VI. OPERATION

**Power.** The scooter will only operate when the keyless remote is near. To start up the scooter, hold the keyless remote near the scooter and keep the remote within 1 metre (3 feet) of the tiller dash.



**Do not turn the ignition off whilst driving as this will lead to an emergency stop and possible risk of damage or injury.**

**Keyless Remote.** The scooter will check every two minutes to ensure the keyless remote is still in the range. If the keyless remote is not in range, then the power eye LED will flash.



**Always keep the keyless remote near you when you operate the scooter. Failure to do so could result in the scooter not restarting until the keyless remote is brought back in to range.**

**Speed Dial.** Turn the speed dial to determine the maximum speed of the scooter. Turn the dial clockwise to increase the speed setting and turn the dial anticlockwise to decrease the speed setting.

The current maximum speed of the scooter is shown by the Speed Dial display.



**Do not adjust the speed dial whilst driving as this could result in loss of control. Do not set to the highest speed whilst driving indoors.**

**Moving and Braking.** To move forward, squeeze the right hand side of the wigwag paddle with your hand towards you whilst holding the handle bars. Squeeze the left hand side of the wigwag paddle towards you and the scooter will move backwards. To brake, release the wigwag paddle which will return to neutral and activate the electromagnetic brake automatically and bring the scooter to a prompt stop. The wigwag paddle allows you to control the speed of the scooter up to a maximum speed determined by the Speed Dial. The further the wigwag paddle is deflected, the faster the scooter will go (up to 4mph).



**Warning:** Do not operate both left and right hand sides of the wigwag simultaneously. You will not be able to control the scooter.

## VI. OPERATION

**Horn Button.** Press the horn button to sound the horn. Release the button to stop the horn.

**Braking – Electromagnetic Brake.** Release the wigwag paddle completely, and the electromagnetic brake will be activated automatically and the scooter will stop.

**Lights.** Press the light switch to turn on the headlight. Press light switch again to turn the light off.

**Note: the light will only operate if the scooter is switched on at the ignition.**







### Battery Gauge.

The battery gauge on the tiller console shows the remaining power:

7 – 10 segments lit (red, orange and green):	60% - 100% capacity
4 - 6 segments lit (red and orange):	30% - 60% capacity
1 -3 segments lit (red only):	0 – 30% capacity

We recommend that the scooter is charged as soon as possible once only red segments (0% - 30% capacity) to reduce the risk of you becoming stranded and to ensure battery longevity.

**Icon Display.** The following icons will illuminate on the dash display:

	<b>Headlights.</b> The headlights are switched on. Press the Lights button to switch the lights on and off.
	<b>Directional Display.</b> This shows that the wigwag paddle is moving the scooter forwards.
	<b>Directional Display.</b> This shows that the wigwag paddle is moving the scooter in reverse.
	<b>Turning Signal Display.</b> This shows when the scooter is turning sharply left or right.
	<b>Error Display.</b> This shows when the scooter has detected an error state.
	<b>Power Eye.</b> The power eye will flash in operation if the keyless remote is not in range.



# VI. OPERATION


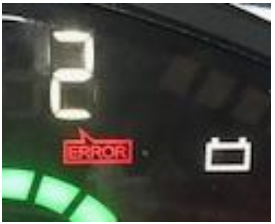
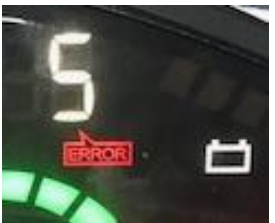
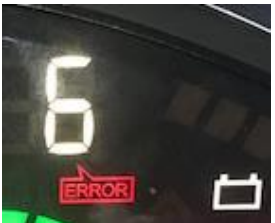
## Time / Trip / Temperature Display.

Press the mode button to access the three modes below:

- 1. Time (Clock).** To set the time, press the MODE and SET key together when the time is showing. Press the LIGHTS button to increase the hour and press the SET button to increase the minutes. When the correct time is set, press MODE to return.
- 2. Trip Meter.** This will show the time travelled in hours. Press the SET button to reset this. If the dial displays "ERROR", the error number will display (not the time travelled). Please see below for more information.
- 3. Temperature.** This will show the ambient temperature. Press the SET button to toggle between °C and °F.

## Error States - Common

If the scooter encountered a warning, problem or error then it will show the error icon with an error state number. The most common states are shown below:

	<b>Error State 1 – Draining Battery</b> The scooter battery level has dropped below 50%. This is a "return home" warning. The user should not complete their journey if they need to travel the same distance to get home. The scooter will still function.
	<b>Error State 2 – Empty Battery</b> The batteries have run out of the charge and the scooter cannot function. Recharge the batteries and then switch the scooter back on. If the error persists contact your dealer.
	<b>Error State 5 - Park Brake Fault</b> The scooter will not function because the EM brake is in freewheel mode. Put the freewheel lever in to drive mode. Switch the scooter on and off. If the error persists contact your dealer.
	<b>Error State 6 - Out of Neutral At Power Up</b> The scooter will not function because the wigwag paddle is pressed when the scooter is switched on. Release the wigwag paddle, switch the scooter off and on. If the error persists contact your dealer.

# VI. OPERATION

## Error States (Flash Codes) - All

<b>1 – Battery Low</b>	See previous section.
<b>2 – Battery Empty</b>	The batteries are empty and need recharging.
<b>3 – High Battery Error</b>	The voltage is too high. This may occur if the batteries are incorrectly charged or when travelling down a long slope. If on a long slope reduce your speed. If the error persists contact your dealer.
<b>4 – Current Limit or Controller Too Hot</b>	The motor has been exceeding its maximum output for too long. Switch the scooter off and leave for a few minutes before restarting. If the error persists contact your dealer.
<b>5 – Park Brake Fault</b>	See previous section.
<b>6 – Out of Neutral at Power Up (Throttle Fault)</b>	See previous section.
<b>7 – Throttle Fault</b>	Check the scooter connections. If the error persists contact your dealer.
<b>8 – Motor Voltage Fault</b>	Check the scooter connections. If the error persists contact your dealer.
<b>9 – Other Error</b>	Check the scooter connections. If the error persists contact your dealer.

## Laser Guidance Lights

The scooter comes with two laser guidance lights which are designed to highlight the safe perimeter of the scooter during low light.

The lights normally operate automatically when the scooter is switched on.

To switch the laser lights OFF, press the LIGHTS and MODE button together whilst the scooter is switched on. Repeat the process to switch the laser lights back on.

## Keyless Remote Pairing

The keyless remote is automatically paired to the scooter.

In the event of the remote or its battery being replaced, it must be paired to the scooter.

To pair the remote to the scooter.

1. First press ON/OFF button on the scooter, with the keyless remote out of range.
2. Then press the MODE button, which will illuminate the HEADLIGHT icon.
3. Bring the remote close to the tiller dash. Once pairing is complete the HEADLIGHT icon will flash and the whole display will illuminate.

## Keyless Remote Unpairing

1. Press the ON/OFF button on the scooter, with the keyless remote out of range.
2. Then press the MODE button for five seconds until the HEADLIGHT icon switches off.
3. Press the ON/OFF button again.



## VI. OPERATION



**Armrest Height Adjustment.** Press the button underneath the armpad and lift up or down the armrest to the required height. Release the button to secure.

*Always lower the armrests before folding or unfolding the scooter.*



**Handlebar Height Adjustment.** Turn the large adjustment knob on the front of the tiller anticlockwise to release the handlebar. Slide the handlebar to the required position, then turn the knob clockwise to secure the handlebar in place.

*Is it recommended to extend the handlebar at least 3cm (1") when folding and unfolding the scooter.*



### **Freewheel Lever.**

The scooter features a freewheel lever to allow the scooter to be manually pushed when not occupied. The lever is located at the rear right hand side of the scooter (pictured).

Push the lever **UP** to put the scooter in to freewheel.

Push the lever **DOWN** to put the scooter in to drive mode.



**Warning:** Putting the scooter in to freewheel mode will disengage the brakes and should only be used on flat ground, when the scooter is unoccupied and to manually move the scooter.

After manually moving the scooter, the lever should always be returned to DRIVE mode. The scooter should never be put in to freewheel mode whilst the scooter is occupied as this could cause damage and/or injury.

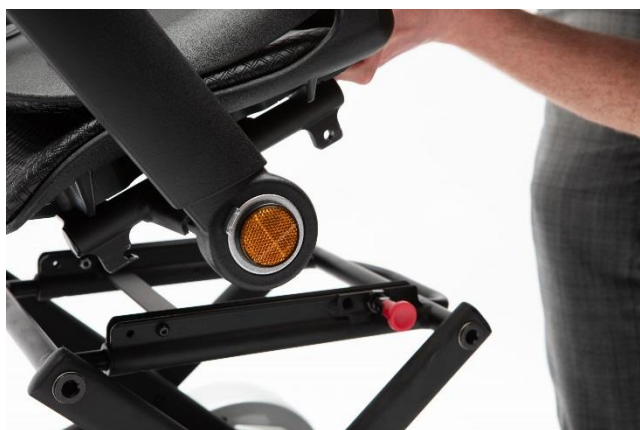
## VI. OPERATION



### Seat Removal

The seat can be removed to reduce the weight of the scooter for lift. The scooter can still be folded and unfolded without the seat installed.

To remove the seat, pull the red lever (arrowed) and slide the seat forward. Then tilt the seat and lift up to remove.



### Seat Installation

Lower the seat into the seat rails front first (as pictured).

Slide the seat backwards and pull the red lever out. When in place release the red lever and ensure the seat is firmly locked in position.

# VII. FOLDING AND UNFOLDING

Prior to using your scooter, familiarise yourself with the automatic folding and unfolding feature through either the keyless remote or buttons integrated on the tiller.



**WARNING** - Some components of your scooter are heavy, and you may need assistance to lift or carry. Please refer to Section XII SPECIFICATIONS for component weights.



**WARNING** - Do not make operate the folding mechanism or make any adjustments while an occupant is seated in the scooter. Failure to do so could result in damage.



**WARNING** – ALWAYS fully unfold the scooter before use. There should be a clear gap approx. (2cm /1”) between the transit wheels and the floor.



## **TO FOLD THE SCOOTER:**

1. Switch off the scooter. Exit the scooter.
2. Fold the backrest down.
3. Flip up the armrests.

Lower the armrests to their lowest position.

4. If the scooter has been switched off longer than 5 minutes then switch the scooter on and off (the keyless remote does not need to be present)
5. The folding button on the scooter tiller should now be illuminated red. Move to the front of the scooter and press the button for one second and release.

The scooter will start folding and will automatically stop when complete.



Ensure the backrest is folded and there are no obstructions under the seat or behind the tiller before folding. Otherwise, this may cause damage or injury.

## VII. FOLDING AND UNFOLDING



### **TO UNFOLD THE SCOOTER:**

1. Switch the scooter on and off (the keyless remote does not need to be present)
2. The folding button on the scooter tiller should now be illuminated red. Press the button for one second and release.

The scooter will start unfolding and will automatically stop when complete.

3. Flip up the backrest (see photo).
4. If required, flip up the armrests. Press the button above the reflector whilst flipping up the armrest. Ensure the armrest locks in position.



Do not press the FOLD or UNFOLD button whilst the scooter is folding or unfolding, unless there is an emergency such as an obstruction. Pressing the buttons will cause the scooter to stop mid cycle and will not be fully folded or unfolded.

In the case of multiple obstructions, the folding mechanism may halt to prevent damage. If this occurs, remove the battery pack, wait 5 minutes and then reinstall the battery pack to reset the scooter.



## VIII: BATTERY CHARGING AND CARE



### **CHARGING YOUR SCOOTER**

The scooter can be charged using the charging ports located on the scooter or on the battery pack. Plug the charger into the scooter or battery pack, and then into the electrical outlet. When the batteries are fully charged remove the charger from the scooter.

The location of the charging sockets are on the photos left.



**SUGGESTION** – The light on your charger indicate different charge status.

Red Light – Charging is in operation.

Green Light – This means that bulk charging (95% charge) is complete and the charger is trickle charging the battery.

***Note: The light on the charger is also green when the charger is not charging. If you have put your scooter on to charge and the light has not gone red, then check the charger is connected and that there is not a fault with the battery.***

### **BATTERY MAINTENANCE & CHARGING HABITS**

To ensure maximum life from your batteries, and continued use of your scooter please follow these charging guidelines based on your usage:



**SUGGESTION** – If you use your scooter on a daily basis, charge the batteries as soon as you are finished with the day's activities, and leave it on the charge until you are ready to use the following day. If you use your scooter infrequently, charge the batteries once a week for 10 to 14 hours.

**Auto-Fold Scooter**

Owner's Manual  
Issued 2019/05

# VIII: BATTERY CHARGING AND CARE

## **INITIAL BATTERY CHARGE**

To ensure maximum use from your new batteries fully charge the scooter prior to initial use for 24 hours.

## **BATTERY RANGE**

There are many factors that affect the range of your batteries, including the surfaces, inclines, curves, or wind you encounter when operating your scooter. If not ideal conditions, all of these factors will reduce the travel time or distance between charges. Follow these suggestions for maximum range:



**SUGGESTION** – Fully charge the batteries prior to any trip, and plan your trip in advance to avoid inclines.



**SUGGESTION** – Limit baggage and accessory weight to essential items, and maintain an even speed avoiding stop-and-go driving.

## **PUBLIC TRANSPORTATION**



**SUGGESTION** – When transporting your scooter on public transportation contact your carrier's ticket counter in advance to determine their specific requirements.

When using public transportation, you may have to remove the battery when the scooter is stowed away. Please see the XIII. TRANSPORTATION POLICY for details on how to do this.

# IX. CARE AND MAINTENANCE

## **GENERAL GUIDELINES**

Your scooter is an advanced mobility device, and with the correct routine maintenance you can ensure years of maximum use. While some of the maintenance can be done by yourself, you may need assistance from an authorised Drive DeVilbiss provider. If you have any doubts, contact your authorised Drive DeVilbiss provider.

Preventative maintenance is key to keeping your scooter in prime operating condition. Follow the Maintenance Schedule at the end of this section to periodically inspect your scooter for serviceable items.

- Avoid abuse to the throttle and control functions.
- Avoid prolonged exposure to extreme heat or cold.
- Keep the scooter clean and free from moisture.
- Never use a conditioner on the tread of the wheels.

## **EXPOSURE TO MOISTURE**

Should your scooter come in contact with water or moisture, dry your scooter thoroughly with a towel. Allow your scooter to sit in a dry place for 8 to 12 hours to allow unseen moisture to evaporate. Check the throttle operation and brakes before using your scooter again. If any items require service please contact your authorised Drive DeVilbiss provider.

## **OPERATING TEMPERATURES**

Your scooter is designed to operate ideally between -25°C ~ 50°C (-13°F to 122°F). In extremely cold conditions your batteries may freeze depending on the battery charge, usage, and composition of the batteries. In extremely hot conditions your scooter may operate at a lower speed. This is due to the safety mechanism built into the unit to prevent damage to the gearbox and other electronic functions when operating too hot.

## **STORAGE**

If you need to store your scooter, be sure it is stored in a dry place free from extreme temperatures. Always fully charge, and then disconnect the batteries prior to storage.



**ATTENTION** – Infrequently charged batteries, or batteries stored without a full charge are susceptible to permanent damage, causing unreliable performance from your scooter.



## IX. CARE AND MAINTENANCE

If your scooter is stored for a prolonged period flat spots may develop in the wheels. This will cause an uneven sensation when driving, but should work itself out over time. If you still notice the flat spots after continued use, replace the wheels on your scooter immediately.



**SUGGESTION** – You can place a sturdy platform under the frame of your scooter to bring the wheels off the ground, and weight off the wheels. This will prevent flat spots from developing while storing your scooter.



**WARNING** – Improper storage of your scooter may result in permanent damage to the frame and electronics.

### **CLEANING & DISINFECTION**

To clean your scooter use a damp cloth with a mild, non-abrasive cleaner on the plastic and metal parts. If necessary, clean your scooter with an approved disinfectant safe for use on your unit.



**WARNING** – Never hose off your scooter or expose it to direct contact with water.



**WARNING** – Never use any chemicals on the upholstery of your seat, this may cause the seat to dry out and crack.

### **DISPOSAL OF YOUR SCOOTER & PARTS**

You must follow applicable local and national regulations when disposing of your scooter, or defective scooter parts. Contact your local waste agency, recycling centre, or authorised Drive DeVilbiss provider for information on proper disposal.

## IX. CARE AND MAINTENANCE

### **CONTACTING YOUR AUTHORISED DRIVE DEVILBISS PROVIDER**

The following conditions may indicate a serious problem with your scooter. Contact your authorised Drive DeVilbiss provider if one of the following conditions occurs:

- Motor or gearbox noise
- Frayed electrical harnesses
- Cracked or broken connections
- Uneven wear on the tyres
- Veering to one side
- Bent or broken wheel assemblies
- Will not power on
- Loose seat or seat components



**SUGGESTION** – Fill out your authorised Drive DeVilbiss provider's information below, along with your scooter information for quick reference in the event you may need service.

**AUTHORISED DRIVE DEVILBISS PROVIDER:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**PHONE NUMBER:** \_\_\_\_\_

**DATE OF PURCHASE:** \_\_\_\_\_

**MODEL:** \_\_\_\_\_

**SERIAL NUMBER:** \_\_\_\_\_

# IX. CARE AND MAINTENANCE

## **MAINTENANCE SCHEDULE**

Inspect your scooter routinely for service issue or wearable items.

INSPECTION	DAILY	WEEKLY	MONTHLY
Inspect the throttle is not bent when in neutral or rest position	<input checked="" type="checkbox"/>		
Inspect electrical harnesses are not frayed or have exposed wires	<input checked="" type="checkbox"/>		
Check for flat spots on tyres	<input checked="" type="checkbox"/>		
Inspect seat, armrests, and front riggings for loose hardware or damage	<input checked="" type="checkbox"/>		
Inspect batteries are free from corrosion		<input checked="" type="checkbox"/>	
Inspect all harnesses to the controller are securely fastened		<input checked="" type="checkbox"/>	
Check the brakes for functionality at lowest speed setting		<input checked="" type="checkbox"/>	
Check the anti-tip wheels for wear, and contact with the ground while at rest			<input checked="" type="checkbox"/>
Check for sufficient tread on the tyres			<input checked="" type="checkbox"/>
Check for proper front wheel alignment (4-wheel scooters only)			<input checked="" type="checkbox"/>
Check the entire scooter for loose hardware or changes in performance			<input checked="" type="checkbox"/>
Check the entire scooter and clean any mud, dirt, hair, food, drink, etc. on the unit			<input checked="" type="checkbox"/>



**SUGGESTION – Once a year take your scooter to an authorised Drive DeVilbiss provider for inspection and maintenance.**

# X: SPECIFICATION

<b>Weight Limit</b>	<b>120kg</b>
Top Speed	4mph
Maximum Range*	9 miles (15km)
Maximum Stability Angle	3° dynamic / 6° static
Ground Clearance	28mm (1 1/8")
Turning Radius	83cm / 33" (inner) 137cm / 54" (outer)
<b>Scooter Dimensions</b>	
Unfolded (L x W x H) (cm / in)	91L x 60W x 90H (36" L x 23½" W x 35½" H)
Folded (L x W x H) (cm / in)	80L x 60W x 48H (31½" L x 23½" W x 19" H)
Highest Point When Folded	48cm H (23½")
<b>Seat Dimensions</b>	
Width x Depth	40cm x 34cm (16" x 13½")
<b>Weights</b>	
Base Weight	25.7kg
Battery Weight	2.65kg
Seat and Arms Weight	5.05kg
<b>Power</b>	
Motor	270W 4400rpm
Controller	Dynamic 50A
Batteries	24V 11.5Ah Li-Polymer (276Wh capacity)
Battery Charger	24V 2.5A
Brakes	Electromagnetic
Front Wheels	20 x 5 (8" x 2") pneumatic with Schrader valve
Rear Wheels	23 x 6.5 (9" x 2½") pneumatic w. Schrader valve
Anti Tip Wheels	Yes

\* Speed and range may vary with user weight, type of terrain, battery charge and condition.

The information contained herein is correct at the time of publication; Drive DeVilbiss reserves the right to alter specifications.

## XI. LIMITED WARRANTY

For the warranty periods listed below, beginning at the date of original purchase, Drive DeVilbiss will repair or replace, at its option to the original purchaser, free of charge, any of the following parts found upon examination by an authorised representative of Drive DeVilbiss to be defective in materials and/or workmanship. The warranties contained herein extend and apply only to the original purchaser.

24 Months	o Main Frame	o Seat Post	o Platform	o Frame Welds
12 Months	o Electrical harness o Controller o Charger	o Joystick o PC Board o Throttle	o Motor / gearbox assembly	o Brakes electromagnetic function ONLY

12 Months o Batteries are covered by a 12 month warranty

The following items are warranted to be free of defects in workmanship and material at the time of delivery. If the following items are found to be defective or damaged immediately after the product is removed from the box, Drive DeVilbiss will repair or replace, at its option to the original purchaser, free of charge, the following items:

o Plastic shrouds	o Tyres	o Tubes	o Anti-tip wheels
o Plastic footrests	o Floor mats	o Swing arm	o Motor brushes
o Upholstery and Seating	o Armrest pads	o Fuses and Bulbs	o Plastic connections
o Metal connection pins, hardware, nuts, bolts & star knobs	o Bearings and bushings	o Front rigging mounting brackets	o Plastic components, excluding body

### **ADDITIONAL COMPONENTS**

Items not mentioned or listed are covered at the discretion of Drive DeVilbiss. Any accessories, standard or optional, supplied by Drive DeVilbiss, are covered for a period of one year from the date of purchase with the particular unit.

# XI. LIMITED WARRANTY

## **RECONDITIONED UNITS WARRANTY**

All reconditioned units are covered by a 90-day warranty from Drive DeVilbiss effective from the date of purchase.

## **REPLACEMENT PARTS WARRANTY**

Parts that are supplied by Drive DeVilbiss as replacements to warranted parts will be warranted for a period of time equal to the remainder of the original part's warranty period.

## **SERVICE CHECKS AND WARRANTY SERVICE**

Warranty service must be performed by an authorised Drive DeVilbiss provider. Do not return faulty parts to Drive DeVilbiss without prior written authorization.

Failure to follow the instructions, warnings and notes in the owner's manual and those located on your Drive DeVilbiss product can result in personal injury or product damage and will void Drive DeVilbiss's product warranty.

There is no other express warranty.

## **IMPLIED WARRANTIES**

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of original purchase and to the extent permitted by law. Any and all other

implied warranties are excluded. This is the exclusive remedy. Liabilities for incidental, punitive, special and consequential damages under any and all warranties are excluded.

This warranty gives you specific rights and you may also have other rights which vary from state to state.

## **WARRANTY EXCLUSIONS**

- Plastic shrouds and footrests
- Upholstery and seating
- Tyres and tubes
- Brake pads
- Fuses
- Motor brushes
- Circumstances beyond the control of Drive DeVilbiss
- Labour, service calls, shipping and other charges incurred for repair of the product, unless specifically authorised by Drive DeVilbiss.
- Repairs and/or modifications made to any part without specific consent from Drive DeVilbiss.

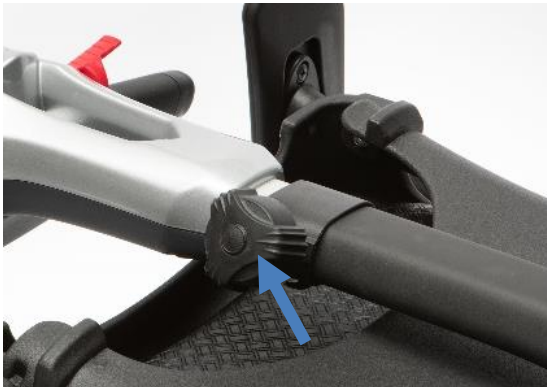
## XII. QUICK START GUIDE

**ALWAYS FULLY READ THE OWNER'S HANDBOOK SUPPLIED WITH THE SCOOTER BEFORE DRIVING**

1. Remove the insulating layer of foam between the battery pack and scooter (arrowed).



2. Turn the tiller adjustment knob (shown below) anti clockwise to loosen, and extend the tiller approximately 1" (2cm).



3. Push the battery pack backwards so it connects to the scooter.



4. The folding button should illuminate RED. Press the button for one second and release to fold out the scooter.



5. Install the carpet in the footwell. The carpet attaches with Velcro.
6. Plug the charger in to the battery pack or the scooter and begin charging.

*Note: Fully charge the battery before use. The rest of the installation can be done whilst the scooter is charging.*



7. Turn the tiller adjustment knob anticlockwise to loosen the tiller handlebar. Then pull up on the tiller until it reaches the desired height. Turn the adjustment knob clockwise to secure the tiller.



8. Flip up the backrest.



9. Press the button above the reflector whilst flipping up the armrest. Ensure the armrest locks in position.



10. Adjust the height of the armrests to suit the user, by pressing the button underneath the armpad whilst lifting up the armpad.



11. When charging is complete remove the charger. Then press the ON button on the tiller dash when the keyless fob is close.



## XIII. TRANSPORTATION

The procedure below shows how to fold up the scooter and disconnect the battery for transportation:

1. Remove the battery pack.



2. Locate the battery pack or the charger beside the scooter. Plug the charger or battery pack in to the scooter's charging socket. Plug the charger in to the mains (if used).



3. Lower the armrests to the lowest position.



4. Switch the scooter on and off (this does not require the keyless remote).
5. The folding button on the scooter tiller should now be illuminated red. Press and hold the button for one second.

The scooter should automatically fold up.



6. Once your journey is complete, Repeat step 2 and unfold the scooter. Slide the battery pack in to the scooter. Remove the Travel Cable.

**The Auto-Fold Scooter comes with a lithium battery pack, which may require special packaging provisions in line with IATA or UN Guidelines.**

**The rating of the battery pack is 24V / 276Wh. UN number 3480 class 9 is applicable. A material safety data sheet (MSDS) is available upon request.**





Dealer Stamp



Drive DeVilbiss Healthcare Ltd, Heathfield Lane,  
Birkenshaw, West Yorkshire, BD11 2HW