

# ODYSSEY LX



*drive*<sup>™</sup>

# OWNER'S MANUAL




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# 1. PREFACE AND INTRODUCTION

Carefully read this owner's manual before using the vehicle. Improper use of the vehicle could result in harm, injury or accidents.

- ◆ The symbols used in this manual are explained below:

 Warning	Improper use could result in serious injury or death
 Attention	Improper use could lead to injury and/or damage to your scooter.
 Suggestion	Follow these instructions to keep your vehicle in a good operating order.

- ◆ This manual includes a copy of repair and maintenance record chart and warranty information. Please keep it in a safe place or in the scooter.
- ◆ If someone else uses the scooter, please make sure that you provide them with the instruction manual for proper use of the scooter.
- ◆ As designs change some illustrations and pictures in the manual may not correspond to the vehicle that you purchased. We reserve the right to make design modifications.

## Suggestion

**To maximize your batteries service life, fully charge your new battery before its first time use.**

## 2. SAFETY NOTICE

### 2.1 BEFORE DRIVING

The user needs to be familiar with the use and operation of this vehicle before driving. Always keep the following safety notices in mind.

#### ■ **The same traffic rules apply to the use of this vehicle as apply to pedestrians**

For your safety, please follow the rules that apply to pedestrians.

- ◆ Ride on the pavement, single lane roads, or pedestrian areas only. Never ride on highways.
- ◆ Do not drive your scooter after consuming alcohol or when you are tired.
- ◆ Be careful when driving your scooter in low light. It has not been designed for use at night.
- ◆ Be extremely cautious when driving your scooter on a busy street or in shopping malls.

#### ■ **Practice operating your vehicle**

Before using the scooter in busy or potentially dangerous areas, familiarize yourself with the operation of your scooter. Practice in a wide and open area like a park. In order to avoid accidents with your scooter while driving, consider driving motions, such as accelerating, stopping, turning, reversing, or going up and down ramps.

- ◆ Turn the speed dial to low speed position for your initial use.
- ◆ Only use higher speed setting when you are confident that you can easily operate and control your scooter.

#### ■ **The Scooter is only to be used by one person at a time**

Do not carry passengers on your scooter (including children)

#### ■ **Do not use this vehicle to carry or haul goods**

- ◆ Maximum user weight is 400 lbs / 182 kg.
- ◆ Maximum loading weight for basket is 6.5 lbs / 3 kg.

### 2.2 WHILE DRIVING

#### ■ **Please carry out daily inspections.** Refer to the section entitled “DAILY INSPECTION”

#### ■ **Always keep your arms and legs on the scooter during operation.**

- ◆ Pay attention that your clothes do not tangle in the wheels.

## 2. SAFETY NOTICE

### ■ Do not use your vehicle under the circumstances below.

- ◆ On roads with heavy traffic or roads that are muddy, sandy, bumpy, narrow, snow covered, or icy.
- ◆ Do not drive at night or when it is raining, snowing, misty, or windy.
- ◆ Do not drive your vehicle in an “S” pattern or make erratic turnings.
- ◆ Do not take the scooter onto escalators.
- ◆ UNDER NO CIRCUMSTANCES SHOULD THE SCOOTER BE USED AS A SEAT IN A MOTOR VEHICLE.

### ■ About Mobile Phones and other electrical equipment

- ◆ Do not use a mobile phone or other wireless communication devices while driving.
- ◆ Always switch off the scooter and remove the ignition key before using a mobile phone.
- ◆ Do not charge the mobile phone or any other electrical devices from your scooter’s battery.

### ■ Automatic Power Shut Down

In order to avoid accidental battery run down, your scooter is equipped with an automatic power shut down. If the scooter is switched on, after remaining undisturbed for a period of thirty minutes it will automatically turn off. Should this occur, simply switch your scooter off and back on and it will be ready to use once again.

### ■ Ramps, inclines and drops

- ◆ Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “7. SPECIFICATION“
- ◆ Always use a low speed setting when ascending or descending a gradient.
- ◆ Slow down when driving on roads with inclines.
- ◆ Do not make sudden turns when driving on gravel roads or ramps.
- ◆ Always lean forward when climbing a steep gradient.

### ■ Starting and Driving

1. Make sure the seat is installed properly.
2. Make sure the tiller has been secured properly.
3. Fold down the armrests so you can rest your arms on them.
4. Turn the power switch to “ON”. If necessary, turn on the headlights.
5. Check battery indicator to see whether there is enough power for your journey. If you have any doubt about the remaining power, recharge the batteries before departure.
6. Set the speed dial to a position you feel safe and comfortable with.

## 2. SAFETY NOTICE

7. Check the forward/reverse speed lever works correctly.
8. Make sure the electromagnetic brake works correctly.
9. Make sure it is safe around you before you drive on the street.

### **WARNING !**

- ◆ Do not set in the freewheel mode when driving on a gradient.
- ◆ Always re-engage the anti-freewheel device before use. Failure to do so may result in injury.
- ◆ To protect your safety, the power will automatically cut off and electromagnetic brake system will activate while you are driving down a steep gradient. This will limit the speed to a safe level. Turn the power on again to re-start your scooter.
- ◆ **Maximum User Weight Limit**  
Refer to section entitled “MAX. USER WEIGHT” in “ 8. SPECIFICATION “. Overloading past the weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty does not cover this type of damage.

### **Attention**

1. Do not push both RH & LH sides of the speed control lever simultaneously.
2. Do not turn the power switch to OFF while driving as this will lead to an emergency stop and possible risk of accident and injury.
3. Do not set to the highest speeds while driving indoors.
4. Do not adjust the speed dial while driving, a sudden change in speed may cause danger to you and others, and may cause damage to your scooter.
5. Do not place magnetic devices near the area of the operation handle as this could affect the safe operation of your scooter.
6. Be careful while driving in heavy traffic or crowded areas.
7. While in reverse, beware of people or objects behind you.

### **Stopping**

1. Release the speed control lever completely. The vehicle will naturally brake and stop.
2. Turn the power switch to (OFF). Then pull out the key.

### **Driving on the pavement**

- ◆ Ensure the limit switch is set to the slowest setting when using the scooter on the pavement.
- ◆ This will limit the scooter to a maximum speed of 8 mph / 12.8km/h.
- ◆ The limit switch can be set to the fastest setting for use on the road or on private ground.

## 2. SAFETY NOTICE

### 2.3 LABELING

Carefully read all labels on the scooter before driving it. For future reference, do not remove them.

NEVER LIFT THE SCOOTER UP BY THE FRONT  
OR REAR SHROUD

#### WARNING

- ☠ Do not operate the scooter unless the handle bar is in a lock position.
- ☠ Do not lean against or pull forward on the handle bar while mounting or dismounting from the scooter. Serious harm or injury can occur.

#### WARNING:

Radio waves may affect scooter control.

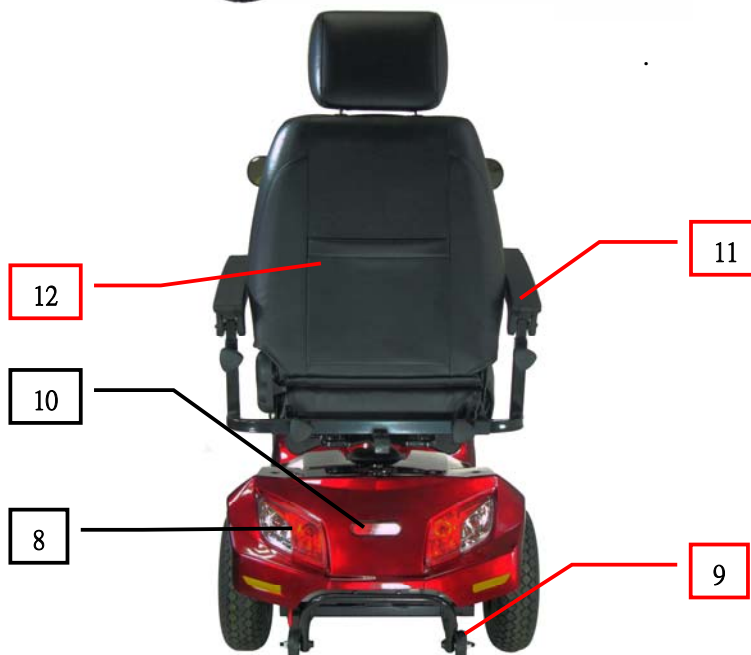
Radio wave sources, such as radio stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones, can affect powered motorized scooters. Following the warning listed below should reduce the chance of unintended brake release or powered scooter movement which could result in serious injury. .

1. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the powered scooter is turned ON.
2. Be aware of near by transmitters, such as radio or TV stations, and try to avoid coming close to them.
3. If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to interference from radio wave sources. (Note: There is no easy way to evaluate their effect on powered scooter.)

# 3. PARTS INTRODUCTION

## 3.1 PARTS DESCRIPTION

- |                        |   |                   |
|------------------------|---|-------------------|
| 1. Indicator Lamp      | 2. Charger Socket Cover                   | 3. Basket Bracket |
| 4. Tiller Adjust Lever | 5. Head Lamp                              | 6. Seat           |
| 7. Side Reflector      | 8. Rear Lamp                              | 9. Anti-tip Wheel |
| 10. Rear Reflector     | 11. Fold up and Width adjustable armrests |                   |
| 12. Rear Pocket        |   |                   |





## 4. OPERATION

### 4.1 CONTROL PANEL

1. Speed Dial
2. Horn Button
3. Indicator lamp switch
4. Head light / Rear Light Button
5. Battery Indicator
6. Emergency lamp switch
7. Indoor / Outdoor Switch



### 4.2 HOW TO OPERATE YOUR SCOOTER

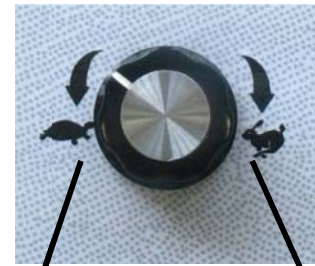
#### ■ Power switch

Turn the key to power ON or OFF

- (ON) : Power is turned on
- (OFF) : Power is turned off

#### ■ 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.



Slowest setting

Fastest setting

#### ■ Forward, Reverse, and Braking

- ◆ Push the speed control lever forwards with your right thumb and the vehicle will move forward.
- ◆ Push the speed control lever backwards with your left thumb and the vehicle will move backward.
- ◆ The horn will beep when the vehicle is in reverse.
- ◆ Release the speed control lever freely while either going forward or reverse, and the electromagnetic brake in the motor will be activated, and the vehicle will stop.

#### ■ Indicator Lamp Switch

- ◆ The light will flash and buzzer will make a beeping sound when turning the switch to the left or right.
- ◆ Return the switch back to the middle, the indicator will be cancelled.

#### ■ Horn Button

Press the horn button to sound the horn. Release the button to stop the horn.

## 4. OPERATION

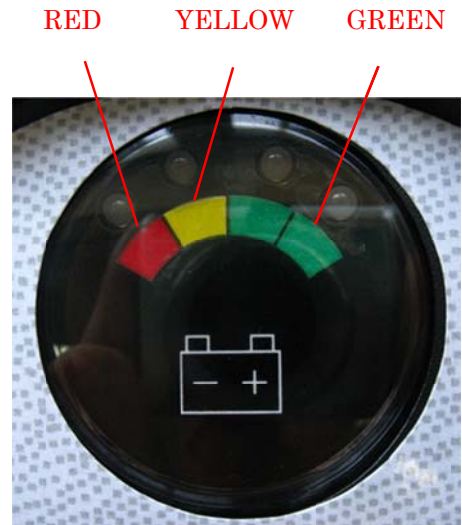
### ■ Light Button

- ◆ Push the light button to switch the front and rear lights on.
- ◆ Push the button again to turn the lights off.

### ■ Battery Indicator

The battery indicator on the tiller console uses a color code to indicate the approximate power remaining in your batteries. Green indicates (40~100%) capacity, yellow a draining charge(10 ~ 30%),and red indicates that an immediate recharge is necessary.

- ◆ The remaining power suggested by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, and climbing will consume the power more quickly.



### 📖 Battery Care

1. You should recharge the batteries after each time the vehicle is used to ensure maximum range. The batteries should be charged at least once a week even if the scooter is not used.
2. After charging or replacing a new battery, drive the vehicle for 2-3 minutes to make sure the battery capacity is sufficient.
3. In wintertime, the battery may respond more slowly and the battery range may be reduced.
4. When driving on a gradient, the battery indicator light might move up and down. This is a normal.
5. Even if the battery is used properly, it is natural for the battery's capacity to reduce with time, which results in reduced battery range. When you find the battery's range is about 50% of the range when the batteries were new, it is time to replace them. See your dealer for replacement batteries. If you continue to use the old battery when it should be replaced, it could lead to a rapid decline in performance.

### Braking

Electro-magnetic brake: Release the speed control lever completely, and the electromagnetic brake will be activated automatically, and the scooter will stop.

### ⚠ Warning

When on a gradient NEVER switch the vehicle to the freewheel mode. The electromagnetic brakes will not be applied. This may result in injury.

## ■ Seat

- ◆ The seat can be turned to 45 degrees or 90 degrees.
- ◆ Pull the seat adjustment lever forward and rotate seat.
- ◆ Release the lever, continue rotating the seat until it locks in position.

### ☞ Attention

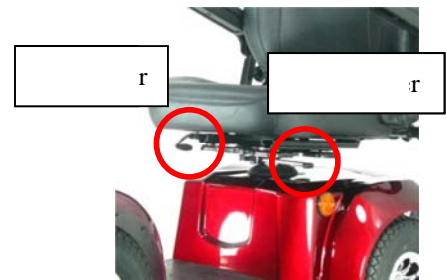
- ◆ Return the seat to the forward position before driving.
- ◆ Ensure the limit switch is set to the slowest setting when using the scooter on the pavement.

## ■ How to adjust the armrest width

Loosen the knobs at the back of the seat frame and adjust the armrest width by sliding the armrest. Once satisfied with the width, tighten the knob.

## ■ How to re-position the seat

The seat can slide backward and forward for a comfortable driving position. To slide the seat, pull the lever at the front the seat and reposition as required.



## ■ Tiller Adjustment

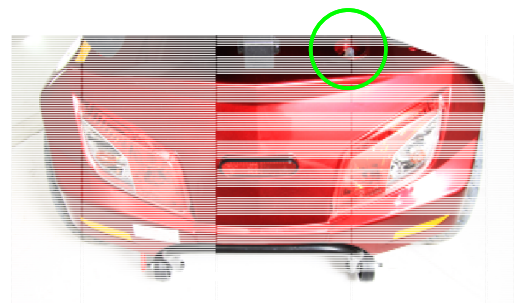
The tiller can be adjusted into many different positions to suit each driver.

1. Loosen the lever to adjust the tiller to positions you desire.
2. Tighten the lever to secure the tiller.



## ■ Main Circuit Breaker (Reset Button)

When the voltage in your scooter's batteries becomes low or the scooter is heavily strained because of excessive loads or steep inclines, the main circuit breaker may trip to protect the motor and electronics from damage. Reset the breaker by pressing.



# 5. BATTERY CHARGING AND CARE

## 5.1 CHARGING THE BATTERY

1. Turn the power switch to (OFF)
2. Connect the charger's power cord into the power outlet.
3. Open the charging socket cap on the scooter's tiller. Connect the charger's round plug to the charging socket.
4. Turn on the switch on the charger.
5. Both the charger's red and orange LEDs will be lit when charging. The charging duration is about 6 hours. To ensure optimum performance a 10-hour charge is recommended. We do not recommend a charging more than 24 consecutive hours.
6. Both the charger's LEDs will be lit during the charging process. The orange LED will turn green when charging is complete.
7. Turn off the charger; disconnect the power cord and the round plug from charger socket on the scooter.



### ⚠ Warning

- ◆ The fan inside the charger will be activated when you turn on the charger. If the fan does not work when connected to the charger or the green light is not showing, DO NOT use this charger. It may lead to overheating of the charger and cause a fire as a result.
- ◆ There is a red LED present on the charger to illustrate operation. If this LED does not illuminate the charger is defective, please contact your dealer.

### 👉 Attention

- ◆ While gripping or folding the handle bar, beware of finger or hands caught in the handle area.
- ◆ While returning the battery pack to the battery pack cavity of shroud, be careful not to pinch fingers..

### ⚠ Warning

1. Keep away from flammable objects while charging as it may lead to fire or explosion of the battery.
2. Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated space.
3. Never connect or disconnect the plug or cord with wet hands while charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.

*NOTE: The immovable function will be activated while your scooter is in charging status, which will make your scooter inoperable.*

## 5. BATTERY CHARGING AND CARE

**☞ Attention - Follow these procedures below to avoid accidents while charging.**

1. Please use the enclosed charger only, and recharge the battery to its full capacity every time. You may damage the battery and scooter if you use a charger which is not to the correct specification.
2. Please charge in a well-ventilated space where it is not directly exposed to the sunlight. Do not charge in surroundings where it is humid or under rainfall and morning dews.
3. Do not charge in temperatures less than 14°F /-10°C or higher than 122°F / +50°C as the charger may not work well and the batteries may become damaged.

## **5.2 BATTERY**

- ◆ Do not expose the battery to temperatures below 14°F /-10°C or above 122°F / +50°C when charging or storing the vehicle. Under the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- ◆ These batteries are maintenance free and there is no need to refill with water.

## ■ Cleaning the battery

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quickly. The batteries supplied with the scooter are sealed and as such are maintenance free with no risk of battery leakage. Please follow the steps below to clean the battery.

1. Turn the scooter power switch to “OFF”.
2. Remove the seat and dust cover.
3. Remove the shroud and unplug the terminal of the taillight and signal lights.
4. Use a clean cloth to wipe off the soiled area.
5. Take out the battery.
6. Clean the battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.

### Warning

1. The wiring system and charger is located in battery pack while assembled in plant. Do not attempt to move the wiring system by yourself. The improper layout of wiring system may result in the wires pinched by battery box, which may result in electronic system failure.
2. Be sure the battery wires are connected to the correct battery terminal.

### Suggestions

If necessary, ask for assistance from your dealer for advice about maintaining and replacing the battery.

### Suggestions

1. Make sure the terminals are installed properly and put the cover back on.
2. Do not use the battery to charge telecom equipment or other items.
3. Battery efficiency will vary with outside conditions; the driving distances will be shorter in the winter. If the vehicle is not used for a long time, please charge the battery at least every week.
4. Replace both batteries together.

## **6.1 INSPECTION**

- ◆ Clean the scooter with a damp cloth and dust down approximately once a week to preserve the appearance of the scooter.
- ◆ Adjust the tiller height and return to the original position and swivel the seat once a week to ensure the parts adjust and remove smoothly and easily when required.
- ◆ Check for signs of wear and tear on the tires and the upholstery on a regular basis.

## **6.2 BATTERY, FUSE AND TYPE**

### **■ Battery**

Refer to the section entitled “ 5.2 BATTERY” in “5. BATTERY CHARGING AND CARE ”.

### **■ Fuse**

If the battery charger is turned on and no LEDs are lit, check the fuse.

## 6. INSPECTION AND MAINTENANCE

### Suggestion

Ask for assistance from your scooter dealer to inspect or replace the fuse, since the tiller shroud has to be removed first before you can replace the fuse.

### ■ Tires

The condition of the tires depends on how you drive and use your scooter.

- ◆ Inspecting tire tread
- ◆ Check the tread groove regularly. Replace the tires when the tread groove is less than 0.5 mm.

### Attention

1. When tread groove is below 0.5mm it can easily lead to vehicle slippage, making braking distances longer. Replace the tires as early as possible when they have insufficient tread depth.
2. The tire pressure shall be kept at about 26 PSI (approx. 1.8KG/cm) for the best ride and handling.

### Attention

When conducting maintenance of your vehicle, turn the power switch to OFF and remove the charger cords.

### Suggestions

- ◆ Do not splash water directly to wash your scooter as this could lead to malfunction of the system electronics.
- ◆ Do not use caustic solvents or vaporizing solution as these may deform or damage the shrouds.
- ◆ Do not use wax.

### 6.4 STORAGE

Make sure the vehicle is stored under the following circumstances:

- Make sure the seat is set in the “Forward” position
- Make sure the Power switch is turned to OFF

### Suggestion

Store the scooter in a location where it is away from the direct sunlight, rain, or moisture. When storing for a long period of time, charge the battery to full power and then disconnect the battery terminal.

### 6.5 TRANSPORTING

- ◆ Turn the power switch “OFF” before moving.
- ◆ Lift the scooter by the chassis, and not by the bumpers. Lifting the scooters by the bumper could cause damage or injury.
- ◆ For your safety, always ask for help if required. You will need 2 or 3 persons when moving or lifting.

## 7. TROUBLE SHOOTING AND SPECIFICATION



## ■ TROUBLE SHOOTING

<i>Symptom</i>	<i>Remedy</i>
The scooter will not switch on	<ul style="list-style-type: none"><li>• Try recharging the battery</li><li>• Check the fuse and circuit breaker in the scooter</li></ul>
The scooter switches on, but the scooter will not move.	<ul style="list-style-type: none"><li>• Ensure there is enough power in the batteries. If not, recharge the batteries.</li><li>• Ensure the freewheel lever is engaged in the 'DRIVE' position.</li></ul>
The scooter appears slow	<ul style="list-style-type: none"><li>• Check the battery power level and recharge</li><li>• Check the speed dial is not set to slow.</li></ul>
The seat turns when in operation	<ul style="list-style-type: none"><li>• Slowly rotate the seat until it drops in to place and is secure</li></ul>
The handlebar appears loose	<ul style="list-style-type: none"><li>• Tighten the height adjustment handle to secure the handlebar</li></ul>
Involuntarily horn sounds	<ul style="list-style-type: none"><li>• Ensure that the wigwag paddle is released.</li><li>• Switch the scooter off and on.</li><li>• Recharge the batteries.</li><li>• If problem persists contact your WU'S dealer.</li></ul>

## 9. WARRANTY

### 9.1 WARRANTY

There is a limited lifetime warranty on your new Odyssey LX power chair. The warranty covers the power chair for parts only during this period. For more detail, please see the Warranty Conditions below.

**Warranty Conditions:**

Any work or replacement part installation must be carried out by an authorized Drive dealer / service agent. To apply the warranty should your power chair require attention please contact your service provider.

The warranty on your new Odyssey LX power chair is as follows:

- a) Frame: Limited Lifetime Warranty
- b) Electronics: 12 months limited warranty
- c) Battery: 6 months

Note: The warranty is not transferable

Any replaced parts will be covered by this warranty for the balance of the warranty period on the power chair. Parts replaced after the original warranty has expired will be covered by a three months warranty. Wearable items will not generally be covered under the normal warranty period which includes but not limited to the seat assembly or cover, tires, shroud, armrests, footplates, and lights. The above warranty conditions apply to brand new power chairs purchased at the full retail price. If you are unsure whether your power chair is covered, check with the service agent. Under normal circumstances, no responsibility will be accepted where the power chair has failed as a direct result of:

- a) The power chair part not having been maintained in accordance with the manufacturer's recommendations.
- b) Failure to use the manufacturer's specified parts
- c) The power chair or part having been damaged due to neglect, accident or improper use
- d) The power chair or part having been altered from the manufacturer's specifications or repairs having been attempted before the service agent is notified

Please note your local service agent's contact details in the box below. In the event of your power chair requiring attention, contact them and give all relevant details so they can act quickly. The manufacturer reserves the right to alter without notices any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

DRIVE authorized Service Agent

Name
Address
Tel
Postcode

***drive***<sup>TM</sup>