



# **USER MANUAL**

- Whenever you ride the Modobag you risk death or serious injury from loss of control, collisions, and falls. It is your responsibility to learn how to safely ride the Modobag in order to reduce this risk. To ride safely you must follow all instructions in the user materials, including the User Manual and Safety Video. These materials are available at [www.modobag.com](http://www.modobag.com)
- Avoid obstacles and slippery surfaces that could result in a loss of balance or traction and cause a fall.
- While the Modobag is designed to keep you upright, you can overpower the balancing capability of your Modobag by aggressively turning or leaning.
- Do not insert the power cord if the Modobag Charge Port is wet.
- Always shut down your Modobag and unplug the AC Power Cord before Stowing.
- Do not modify the Modobag. Modifications to the Modobag could interfere with the operation of the Modobag, and result in serious injury and/or damage, and will void the Modobag Limited Warranty.

# Copyright, Trademarks, Patent, and Contact Information

Copyright © 2016 Modobag Inc. All rights reserved.

## Trademarks

Modobag Inc. ("Modobag") owns a number of trademarks including, but not limited to, Modobag and the Modobag "Rider Design" logo that have been registered in the United States and in other countries. Those trademarks followed by ® are registered trademarks of Modobag. All other marks are trademarks or common law marks of Modobag. Failure of a mark to appear in this manual does not mean that Modobag does not use the mark, nor does it mean that the product is not actively marketed or is not significant within its relevant market. Modobag reserves all rights in its trademarks. All other trademarks are the property of their respective companies.

## Modobag Inc. Patent Information

The Modobag is covered by U.S. and foreign patents. For more information go to <http://www.modobag.com>

## Contact Information

For support, please contact the company from which you bought the products. For a listing of Authorized Modobag Dealers and Distributors, visit the Modobag website at: <http://www.modobag.com>.

Modobag Customer Care:

E-mail: [technicalsupport@modobag.com](mailto:technicalsupport@modobag.com)

Website: <http://www.modobag.com>

## **Preface**

Congratulations on the purchase of your new Modobag! The Modobag is the standard term used to refer to the Modobag product described in this manual.

## **About This Manual**

To learn to ride your Modobag, you must read and follow all instructions and warnings in the User Manual and watch the Safety Video. It is important that you follow all safety warnings and cautions that appear throughout the User Manual and that you use good judgment when riding your Modobag. Remember to pass on this User Manual and the Safety Video if you ever resell your Modobag. If you have questions, or need a copy of the User Manual or Safety Video, contact Modobag before you attempt to use your Modobag. Check our website regularly for updates to Modobag User Materials: <http://www.modobag.com>

## **The Risk of Injury**

The Modobag is rideable luggage that uses patented technology. Injury can occur if you do not ride the Modobag safely.

### **WARNING**

Whenever you ride the Modobag, you risk death or serious injury from loss of control, collisions, and falls. To reduce risk of injury, you must read and follow all instructions and warnings in the user materials.

## **Before You Begin**

Before you begin, The Batteries should be charged for 2 hours for the first time, refer to the instructions in this manual.

# Operating Limits

It is important that you familiarize yourself with the operating limits of the Modobag. These limits are set to maximize rider safety while reducing the risk of damage to the Modobag. The Modobag will perform better when you observe these limits.

## Weight Limits for Riders and Cargo

Modobag sets weight limits for two reasons:

- Rider safety
- To reduce the risk of damage to the Modobag

## Dynamic Weight Limits

To keep the Modobag and rider upright, the Modobag must always have enough power to be able to drive its wheels forward

### WARNING

Exceeding the weight limits, especially when combined with other variables that require more power, will increase your risk of falling or damaging the Modobag.

Variables that require more power include:

- Higher payloads (weight of rider and all cargo)
- Steeper slopes
- Bumpier surface conditions
- Soft surfaces like carpet
- Low/High speeds
- Abrupt maneuvers

### ***Weight Limits (Maximum Payload)***

The maximum rider payload is 260 lbs (117 kg). Exceeding the maximum weight limit increases the risk of damage to the Modobag. Heavier payloads place greater stress on the Modobag.

### **Safety Messaging**

Modobag takes all aspects of safety very seriously. This publication and documentation provides clear, safety messaging designed to offer instructions and procedural information that help avoid physical injury or damage to your Modobag.

Of course, it is impossible to predict and warn against every possible harm or hazard that exists. Thus, users must also use their own intuition and common sense to help avoid physical injury or damage to your Modobag.

The following safety messaging conventions are used throughout this guide:

**WARNING**

Warns you about actions that could result in death or serious injury.

# **Table of Contents**

Copyright, Trademarks, Patent, and Contact Information Table of Contents

Preface

About This Manual

The Risk of Injury

Before You Begin

Related User Materials

**Safety Messaging**

## **Introduction**

Recording Serial Numbers

Modobag Specifications

Operating Limits

Maximizing Range

## **Setting Up Your Modobag**

Unpacking Your Modobag

Assembling Your Modobag

## **The Modobag**

How the Modobag Works

Modobag Components and Subsystems

# Riding Your Modobag

This section describes how to ride the Modobag. It discusses riding for the first time and gives guidelines and helpful hints for all rides. Follow these steps to learn to ride your Modobag. It is important that you practice riding in a controlled, familiar environment until you are comfortable using your Modobag. Before riding, make sure your Modobag is charged. See "Charging Your Batteries". Inspect your Modobag before each use (see "Pre-Ride Checklist" on the inside back cover of this manual). Do not ride if any part is loose or damaged, and see "Maintaining Your Modobag". Do not wear loose clothing or jewelry that could get caught in the Modobag.

## Riding Form

Your posture and stance affect your ability to ride safely: Always sit in the padded designated area of the Modobag. Sit in an upright position with your feet parallel to the ground on the foot pegs. Knees and arms should be in a bent position.

- Be alert. Scan both far ahead and in front of the wheels; your eyes are your best tool for safely avoiding obstacles and slippery surfaces.
- Keep a firm grip on the handlebar, and upright sitting position with your knees and elbows bent. This helps you maintain your balance.
- Leave a gap between yourself and the handlebar. Do not lean over or onto the handlebar. Leaning over or onto the handlebar dramatically increases the risk of collisions, falls, and loss of control.
- Make sure you are seated in the center area of the Modobag - sitting too far back or leaning backwards dramatically increases the risk of collisions, falls, and loss of control.
- Keep your feet level on the foot pegs - pointing toes down can result in unwanted contact with the riding surface and dramatically increases the risk of collisions, falls, and loss of control.
- Practice controlled stopping - this is your most important maneuver.



# Avoiding Hazards

The Modobag is highly maneuverable and allows you to easily navigate around obstacles. However, to prevent the loss of traction, you must always be careful when riding. Learn to identify and avoid slippery, icy or wet surfaces; loose materials (sand/gravel); steep slopes; and steep slopes. Stop and step off your Modobag and use the tow handle to move your Modobag over unsafe surfaces or terrain.

## Avoiding Slips

The Modobag wheels must be able to grip the ground to stay in control. Slips occur when the wheels lose traction, potentially causing loss of control and a fall. Abrupt maneuvers, riding over slippery surfaces, loose objects and materials, or steep slopes can cause the wheels to lose traction.

- Avoid abrupt maneuvers, such as fast stopping or starting and quick turns.
- Avoid riding on slippery surfaces such as snow, ice, wet floors, wet grass, or any other surface that might cause slipping.
- Avoid riding over loose objects or materials such as small branches, litter, or small stones.
- Use caution when riding on any terrain with carpet, cracks, bumps or thresholds - Modobag is designed for smooth surface only.
- Avoid riding on steep slopes and always keep wheels in contact with the ground.
- Avoid riding over any surface where the bottom of the Modobag may strike any object.
- Avoid holes, curbs, steps, and other obstacles.
- Avoid riding across steep slopes.
- Lean slightly into turns and lean uphill when riding across gentle slopes.
- Avoid turning on slopes or ramps.
- Never let go of the handlebar when riding
- Stay centered on narrow walkways or paths.

## **Step 1: Preparing for Your Ride**

1. Select an appropriate area for your first ride. This area may be indoors or outdoors and should measure at least 12 feet by 12 feet (4 meters by 4 meters). It must have a level, smooth riding surface with good traction, should be free of obstructions, away from vehicles, bicycles, pets, small children, and other distractions.
2. Make sure you have read all the instructions and warnings in this manual and the Safety Video and have someone help you and assist you with the instructions.
3. Put on your helmet and fasten and adjust the chin strap in accordance with the helmet manufacturer's instructions.
4. Move the Modobag to the center of the riding area.

## **Step 2: Deploy Handlebars**

1. Unzip the top compartment to expose the handlebars and dashboard panel.
2. Release the handlebars by moving the quick release clamp lever to the left. This will release the handlebars from the locked stowed position.
3. Place both hands on the handle bar and pull straight up. You will hear a click when they are fully extended to their full upright position.
4. Lock the handlebars in riding position by moving the quick release clamp lever to the right.

### **Step 3 : Deploy Foot Pegs**

Release the foot pegs by pulling them out from the top of the foot peg channel with your fore finger. The foot pegs will snap down from stowed position to riding position. You will hear a click when they are fully extended and pegs will be parallel to the ground.

### **Step 4 : Set Speed Setting to Indoor Speed (Low)**

The speed button is the second button from the left side of your dash board directly to the right of the power button. Ensure the Indoor (Low) Speed Setting is enabled by confirming the button is in the down position.

#### **WARNING**

For your first ride, take your time and remain on slow setting. Make turns at a slow rate of speed to familiarize yourself with the turning capabilities and balance of the Modobag.

## **Step 5: Stopping / Braking**

1. Stop the Modobag by applying pressure to the brake lever on the left side of the handle bar - it is very similar to the brake control on a bicycle or motorcycle.
2. Once stopped, place your feet on the ground to remain stationary. If you push back, you will move backward.
3. Practice choosing a spot on the ground, and coming to a smooth controlled stop at that spot. Then remain stationary.

### **WARNING**

Always perform a controlled stop. Avoid abrupt stops. Come to a controlled stop by gently applying increasing pressure to the brake lever. Avoid abrupt stops and slippery surfaces. Stopping abruptly, especially on slippery surfaces, can cause the Modobag wheels to lose traction, skid, flatten out and cause you to fall.

## **Step 6 : Powering On the Modobag**

Power on your Modobag by pressing the power button. The power button is located on the left side of your dash board.

The indicator lights will illuminate to indicate the power is ON.

## **Step 7: Moving Forward**

1. Sit on the padded area in the center of the Modobag.
2. Hold the handlebar with both hands.
3. Place your feet on the foot pegs
4. Stay calm and relaxed. Look forward.
5. The thumb throttle is located on the right hand grip. Press it very gently to begin moving.

### **NOTE:**

Always keep your left hand in a position ready for braking. If you feel unstable, place your feet on the ground.

## **Step 8: Turning**

Do a controlled turn by gently turning the handle bars in the desired direction at low speed. Turns should always be made slowly and gradually with a slight lean in the direction of the turn. Practice turning to the right and to the left using this technique.

### **WARNING**

Avoid abrupt turns on any surface and avoid slippery surfaces. Turning abruptly, especially on slippery surfaces or slopes, can cause the Modobag to tip and cause you to fall. Turns should always be made slowly and gradually. If you ever feel unstable place your feet gently on the ground to stop and maintain balance.

## Towing Your Modobag

- The towing handle is located behind the seating area.
- Press the button to release the handle and extend until it locks in place.
- You are now ready to pull your Modobag behind you.

**IMPORTANT:** If your bag sways or shakes when being pulled, you have not properly locked the handlebar in the down position. The handlebars must be lowered all the way down and the clamp at the base of the handlebar must be locked in order for the Modobag to tow straight.

## Stowing Your Modobag

- Power the Modobag off.
- Unlock the handlebar clamp.
- Lower the handlebars being careful to clear the zippers and cover material.
- Lock the clamp in place. Zip the compartment closed.
- Return the footpegs to their stored position.
- Stow in a cool dry place.

**IMPORTANT:** When the handlebars are lowered, make sure they do not snag the zippers or bag cover material. Push all the way down and lock the clamp at the base of the handlebar.

## Practice Riding

You will need to become very familiar with your Modobag before you attempt to ride outside of your controlled practice environment. The more you practice, the safer you will be when you move into new places. Remember the following as you practice:

- Use the Beginner Setting and ride in areas free of obstacles and distractions until you are comfortable on your Modobag. Practice on the Indoor Speed Setting until you get on, ride forward, turn and stop with the same precision and confidence as you walk.
- With practice, you should be able to ride in narrow areas. You should also be able to ride, turn, and stop on a narrow, curving, smooth surface.
- Until you can ride with this precision, do not attempt to ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.
- Your first rides on the Outdoor Speed Setting should be in the same secure areas where you learned to ride with the Beginner Setting.
- Use caution when riding in new environments.
- Be careful when riding through areas with bad visibility.
- Make sure you leave enough room for comfortable stops.
- Watch out for terrain transitions such cracks, thresholds, extension cords, small stones, litter and other debris.
- Modobag has been designed for smooth non-slip surfaces only.

## Riding Etiquette

User proper etiquette when riding your Modobag.

- Be careful and considerate of others.
- Always ride under control at a speed that is safe for you and those around you.
- Always be prepared to stop.
- Respect pedestrians by always yielding the right of way.
- Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down.
- In heavy pedestrian traffic, slow down and proceed at the pace of pedestrian traffic. Pass only if there is ample space to do so safely. Do not weave in and out of pedestrian traffic.



## **Riding Etiquette (cont.)**

- When riding with other Modobag riders, maintain a safe distance, identify hazards and obstacles, and do not ride side-by-side unless there is plenty of room left for pedestrians.
- Learn about and obey applicable laws and regulations.

## **Riding Tips and Safety Guidelines Recap**

The Modobag is unique rideable luggage. Ability and ease of use may lead you to become overconfident. If you exceed the ability of the Modobag, such as by riding over obstacles, uneven terrain, slippery surfaces, loose materials, or steep slopes, you can very quickly lose control, leading to collisions, falls, and injury. As with any other transportation device, using a Modobag exposes you to risk of injury. You can reduce the risk by following all the instructions and warnings in this manual, but you cannot eliminate the risk.

- Read this manual and watch the Safety Video.
- Inspect your Modobag before each use. Do not use if any part is loose or damaged. If you discover any loose or damaged part, contact Modobag at [technicalsupport@modobag.com](mailto:technicalsupport@modobag.com)
- Do not place any objects in the steering or dash area, this could restrict steering control.
- Do not allow any person to use your Modobag unless that person has carefully read this manual and watched the Safety Video.

- Avoid slippery surfaces, loose materials, steep slopes, and obstacles. If you cannot avoid a slippery surface, loose material, steep slope, or obstacle, then you must carry or tow your Modobag to move across it. Be especially careful when riding in confined spaces or near obstructions.
- Use caution on slopes. Use caution when ascending, descending, or crossing slopes. Do not attempt to ride across any slopes with loose material or slippery surfaces. Instead, step off and carry or tow your Modobag to move across it. When riding across any slope, lean uphill to maintain balance.
- Watch those turns! Always turn slowly and with caution. Fast turns can lead to loss of control and falls. Lean slightly into turns.
- Do not take risks. When you encounter a slope, uneven terrain, or other terrain that is not smooth, or that makes you at all concerned about your safety, do not risk riding over it. Instead, step off and carry or tow your Modobag.  
Use caution when riding indoors or in the vicinity of doorways, archways, branches, signs, or other low overhead.

## Riding Tips and Safety Guidelines Recap (cont.)

- Do not wear loose clothing that can catch in the wheels and prevent proper steering.
- No passengers. The Modobag is for one rider. Do not ride double or carry any passengers. Do not carry a child in your arms or in a child carrier while riding. Expectant mothers should not ride the Modobag. Do not exceed the maximum weight limit (rider) specified in this manual. If you exceed the maximum weight limit, you are at greater risk of falling and injury, and damage to the Modobag could result.
- Never ride on stairs or through revolving doors. Riding on stairs is extremely dangerous, as is riding on escalators and through revolving doors.
- Do not jump off a moving Modobag. Always come to a stop before getting off.
- Do not ride in the dark. Do not ride the Modobag in low visibility conditions without a light. To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.
- Be alert. As with any other form of transportation, you must be mentally alert to safely ride a Modobag. Do not attempt to ride if you are ill or if you cannot comply fully with the instructions and warnings in this manual. Do not ride under the influence of alcohol or drugs. Avoid distractions. Do not use a mobile phone, listen to headphones, or engage in any other activity that might distract you or interfere with your ability to monitor your surroundings while riding.
- Be prepared to stop. Be especially careful when approaching crossing intersections, corners, doorways, and other areas with limited visibility where you may need to slow down or stop to avoid motor vehicles, bicyclists, or pedestrians.

When riding, keep both hands on the handlebars and both feet on the foot pegs. Be relaxed. Ride in a relaxed upright position with your knees and elbows bent, feet parallel to the ground, and head up. Do not attempt to carry any object in your hand(s). If you need to carry any object, use the Modobag's packing area. The Modobag is not intended or recommended for use on roads.

## Riding Tips and Safety Guidelines Recap (cont.)

- Always sit on the padded area of the Modobag in the upright position. Leaning back or sitting back too far can cause you to fall.
- Do not ride the Modobag if you suffer any impairment to balance.
- The Modobag has not been designed, tested, or approved as a medical device. You must be able to get on and off the Modobag unassisted, which requires physical abilities similar to sitting on a 14" chair and standing from a sitting position without assistance and without holding the handrail. Modobag recommends that you not allow children to ride your Modobag.
- As a general rule, Modobag recommends that riders be at least 16 years of age.

# Modobag Nano-safe Batteries

## Nano-Safe™ Battery System

Modobag is powered by a Nano-Safe™ Battery System, one of the safest and most advanced carbon-free battery systems in the world. We are among the first retail travel products to use this patented nanocrystal technology, which complies with air travel regulations of the Federal Aviation Administration (FAA), Transportation Security Administration (TSA) and International Air Transport Association (IATA). Modobag's batteries exceed tests for battery safety known as the U.N. 38.3 Tests and Criteria, as well as the stringent G27 battery requirements for hazardous material transported on aircraft. Included on each Modobag battery has a specification compliance label for safe air travel.

## Battery Safety

### WARNING

Do not use a battery if the battery casing is broken or if the battery emits an unusual odor, smoke, or excessive heat or leaks any substance. Keep out of reach of children and pets. Exposure to Battery voltage could result in death or serious injury. Do not attempt to open the battery, battery casing, or any electrical components.

- As with all rechargeable batteries, do not charge near flammable materials.
- Do not submerge the batteries or powerbase in water. If you suspect the batteries or powerbase have been submerged or experienced water intrusion.

## Charging

In order to maintain the best performance from your Modobag Nano-safe batteries, fully charge the battery for 2 hours when you receive your Modobag and only use charging devices approved by Modobag.

- The dashboard panel indicates Modobag's battery charge level.
- Verify that the Charge Port, Power Cord, and AC Power outlet are clean, dry, and free of debris.
- To recharge, insert the charger into the charging port on the dashboard panel and plug the cord into a standard outlet or power source. Use appropriate adapters for international charging.
- The charger light will turn red to indicate charging and green when fully charged.
- Disconnect the Power Cord from the grounded AC outlet.
- Disconnect the Charge Port .
- Store the Power Cord.
- Typical time to full charge is 2 hours.
- 80% charge is typically reached in 15 minutes.
- Store your device(s) in the padded compartments while charging with the on-board USB's.
- Note: The Modobag must be powered "on" in order to charge your devices.
- Always unplug Charger before use.

Charging times may vary depending on the following:

- Amount of charge already stored in the batteries-The lower the battery charge level is, the longer it will take to complete the charging process.
- Temperature

# Contact and Legal Information

## Report All Incidents

If you or any other user of your Modobag is involved in an accident, or if your Modobag performs in a way that you do not intend or in a way that it is not supposed to, contact Modobag Customer Care.

## How to Reach Us

E-mail: (English-language only) [technicalsupport@Modobag.com](mailto:technicalsupport@Modobag.com)

## Obey All Laws and Regulations

Many governmental authorities regulate use for all different things, we ask that you consult local authorities to become familiar with applicable laws and regulations. At this point we are not aware of any riding limitations on luggage and have met the UN 38.3 (UNDOT) Global Certification for Safe Air Transport. In addition to other requirements, these laws and regulations may prescribe minimum ages for users and mandate protective gear for riders. Some governmental authorities You should consult local authorities to become familiar with applicable laws and regulations.