

Segway PT Coach's Manual

*This is a reference tool that is in addition to the User Manual, and the Safety Video ("User Materials").
The User Materials should always be consulted.*

*The Segway PT photos shown in this Manual are of SE models. Please refer to prior/future Coach's
Manuals for specifics on prior/future model lines.*

>i2 SE



>x2 SE



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EXPLAIN

DO/COACH

Introduction

This Product Orientation covers safety and warning information to help make every ride you take safe and fun. Your Segway PT includes the following components:

1. InfoKey™ Controller
2. InfoKey Controller Dock
3. Handlebar
4. LeanSteer™ Frame
5. Tire/Wheel Assembly and Fenders
6. Console with Charge and Balance Indicator Lights
7. Console Trim
8. Mats
9. Powerbase
10. Batteries

Point out each component.



EXPLAIN

DO/COACH

InfoKey Controller Buttons

You use the InfoKey Controller to communicate with the Segway PT. The InfoKey Controller has four buttons around the outer edge and a display in the center:

Give the InfoKey Controller to the Rider so s/he can become familiar with it. Coach the Rider to use each button as you explain the function.

Power/Standby Button

The Power/Standby button allows you to power the Segway PT on and off and switch from Balance Mode to Standby Mode.

Beginner Button

The Beginner button allows you to toggle the Beginner Setting on and off and illuminate the Backlight. When the Beginner Setting is on, the top forward speed and steering rate are slower. You must learn to ride using the Beginner Setting.

Information Display Button

The Information Display button allows you to scroll through information including time, date, speed, average speed, trip distance, and odometer, and allows you to set time, speed/distance format, date and reset the average speed and trip distance.

Security Button

The Security button allows you to activate/deactivate the security function (alarm).

For additional information, see “The InfoKey Controller” in the User Manual.

Beginner Button

Information Display Button



Power/Standby Button

Security Button

EXPLAIN

DO/COACH

Unpack and Assemble the Segway PT and Charge the Batteries

<p>The Segway PT comes in a box and must be removed. To remove the PT simply take out the user materials, LeanStear box and cardboard divider. Once the box is empty tilt it on its side and the Segway PT will roll out. Attach LeanStear, Handlebar and InfoKey Dock to complete the unit.</p>	<p><i>If the rider will need to assemble the Segway PT, briefly show them how to properly remove it from the packaging.</i></p>
<p>Two Li-ion Batteries come in a separate box and must be installed on the base of the Segway PT. Simply tilt the Segway PT backwards to expose the base and seat the batteries on the front and back. Be sure to document the serial numbers for the front and back batteries.</p>	<p><i>Briefly explain battery installation and point out the directions in the User Manual. You may choose to go through assembly in detail, but it is not part of the Product Orientation, which focuses on safe riding and operation.</i></p> <p><i>Point out batteries and the bolt holes.</i></p>
<p>To maximize the performance of your Segway PT Batteries, fully charge your Batteries for at least 12 hours, once a month, or after every 12 hours of operation—whichever comes first. Charge your Batteries only when they are within the specified charging temperature range, which can be found in the User Manual.</p>	<p><i>Show Charge Port.</i></p>
<p>For additional information, see “Specifications for the Batteries” in the User Manual.</p>	

EXPLAIN**DO/COACH**

Charge Indicator Lights

The Charge Indicator lights on the Console give you information about the charging status of your Segway PT. Make sure that when you plug in your machine, both Charge Indicator Lights are green.

- Solid green indicates the Batteries are charging.
- Flashing green indicates charge is complete.
- Red indicates a fault condition.

For more information on the Charge Indicator lights, see “Battery Charge Indicator Lights” in the User Manual.

Point out Charge Indicator Lights.

Good Charge



Bad Charge



EXPLAIN	DO/COACH
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Safety Alerts

<p>The Segway PT is equipped with multiple safety alerts. It is important to understand these alerts before you attempt to ride your Segway PT.</p>	
<p>Speed Limiter</p>	<p><i>Explain that the Rider MUST recognize and respond to the Speed Limiter.</i></p>
<p>When you approach the maximum allowed speed for a given situation, the Segway PT will push the Handlebar back to slow you down. This is called the Speed Limiter.</p>	<p><i><<recognize>></i></p> <p><i>Demonstrate by standing behind the Platform with the machine in Standby mode.</i></p> <p><i>As you explain that the Speed Limiter pushes the Handlebar back, you should tilt the Handlebar back toward your torso.</i></p>
<p>The Segway PT’s Speed Limiter is an alert that you are moving too fast. When the Segway PT pushes the Handlebar back, stop leaning forward and slow down. Always leave a gap between yourself and the Handlebar.</p>	<p><i><<respond>></i></p> <p><i>As you explain that the Rider should slow down, slowly and deliberately move the Handlebar to normal riding position, and point out the “gap” between the Handlebar and your torso.</i></p>
<p>The speed at which the Handlebar pushes back depends on a variety of factors including:</p> <ul style="list-style-type: none"> ▪ Riding style ▪ Terrain ▪ Payload ▪ Whether or not Beginner Setting is selected on the InfoKey Controller ▪ Battery condition ▪ Foot positioning <p>...and other factors. For additional information and conditions that may cause the Speed Limiter to activate, see “Speed Limiter” in the User Manual.</p>	

<p>Stick Shake Warning</p>	<p><i>Explain that the Rider MUST recognize and respond to the Stick Shake Warning.</i></p>
<p>One of the ways that the Segway PT notifies you when you are at risk of falling is by shaking the Handlebar and making growling noises. This is called the Stick Shake Warning.</p>	<p><i><<recognize>></i></p> <p><i>Demonstrate by standing behind the Platform with the machine in Standby mode.</i></p> <p><i>With the machine tilted back so the rear Balance Indicator light shows red, place one foot on the Platform. The Segway PT will give the Stick Shake Warning to alert the rider that it is not safe to step on yet.</i></p> <p><i>Explain that this is only one reason for Stick Shake Warning.</i></p>
<p>If the Stick Shake Warning occurs while riding, slow down. If the Stick Shake Warning persists, come to a stop and safely step off. Do not attempt to ride again until the condition that caused the persistent Stick Shake Warning has been identified and corrected.</p> <p>If the Stick Shake Warning occurs while you are stopped or stuck, step off immediately and do not attempt to ride again until:</p> <p>You are clear of all obstacles and slopes.</p> <p>You are certain that you did not experience a Safety Shutdown. (See “Safety Shutdown” below).</p>	<p><i><<respond>></i></p> <p><i>Explain that, if Stick Shake Warning occurs, you must respond based on the situation—slow down or stop and step off as described.</i></p>
<p>For additional information and conditions that may cause the Stick Shake Warning to occur with or without a rider standing on the Mats, see “Stick Shake Warning” in the User Manual.</p>	
<p>Safety Shutdown</p>	<p><i>Explain that the Rider MUST recognize and respond to the Safety Shutdown.</i></p>
<p>If the Segway PT detects a fault in any of its redundant systems or a Battery is depleted beyond its safe limit, it performs a Safety Shutdown.</p> <p>When a Safety Shutdown occurs, the Segway PT automatically reduces its speed, gives the Stick Shake Warning (shakes the Handlebar and makes growling noises), flashes the Balance Indicator lights, emits a warning tone, and the InfoKey Controller displays an unhappy face.</p>	<p><i><<recognize>></i></p> <p><i>When the Segway PT shakes, flashes, emits a warning tone and slows down, you are experiencing a Safety Shutdown</i></p>

You have approximately 10 seconds from the start of a Safety Shutdown to come to a controlled stop and step off. After 10 seconds, the Segway PT will immediately shut down when the Wheels reach zero speed. If a Safety Shutdown occurs, immediately come to a controlled stop and carefully step off one foot at a time.

<<respond>>

You MUST step off within 10 seconds.

Activating the Training Safety Shutdown

The purpose of demonstrating Safety Shutdown for training purposes is to introduce the rider to the experience while in a predictable, controlled environment with a spotter.

First, the Coach should demonstrate the Training Safety Shutdown, then the Coach should spot the Rider as the Rider experiences the Training Safety Shutdown. Read all the following steps prior to activating the Training Safety Shutdown

For the Coach:

Explain that you are inducing a Safety Shutdown for training purposes, to simulate the alert the rider would get if a critical component failed, or if the batteries are run too low.

1. Make sure the Segway PT is in Balance Mode.
2. Stand on the Mats with the Segway PT remaining stationary.
3. Press and hold both the Information Display button and the Power/Standby button simultaneously until the Safety Shutdown initiates.
4. Step off the Segway PT before 10 seconds elapses. After 10 seconds, the Segway PT will immediately shut down when the Wheels reach zero speed.

The Coach demonstrates the Safety Shutdown

For the Rider:

1. Make sure the Segway PT is in Balance Mode.
2. The rider should stand on the Mats with the Segway PT remaining stationary.
3. The Coach should firmly hold the Segway PT, ready to keep it steady and stationary when the Safety Shutdown begins.
4. The Coach or a third person may then press and hold both the Information Display button and the Power/Standby button simultaneously until the Safety Shutdown initiates.
5. The Coach must continue holding the Segway PT so it does not move.
6. The rider must step off the Segway PT before 10 seconds elapse. After 10 seconds, the Segway PT will immediately shut down when the Wheels reach zero speed.

The Coach spots the Rider as the Rider experiences a Safety Shutdown.



Understanding Balance Mode

<p>You ride your Segway PT in Balance Mode. In this mode, the Segway PT detects when you lean forward or backward, or tilt the LeanSteer Frame left or right, and it moves its Wheels in response to your movements.</p>	<p><i>Coach stands on Segway PT and shows Rider how Segway PT responds to movements.</i></p>
<p>The Segway PT also has a Riderless Balance Mode, which allows you to slowly move the Segway PT when you are not riding it. Step down off the Segway PT, and walk with your Segway PT in Riderless Balance Mode to move around obstacles, stairs, or terrain that is difficult to navigate.</p> <p>When the Segway PT is in Riderless Balance Mode, it is important to hold onto the Handlebar to prevent the Segway PT from moving on its own.</p>	<p><i>Coach steps off and shows Rider how to move Segway PT in Riderless Balance Mode.</i></p>
<p>You know your Segway PT is in Balance Mode or Riderless Balance Mode when the Balance Indicator lights on the forward part of the Console are pulsing or rotating green and your InfoKey Controller displays a happy face.</p>	<p><i>Point out Balance Indicator Lights for Balance Mode (rotating green lights) and Riderless Balance Mode (pulsing green lights).</i></p>

Understanding the Rider Detect Sensors

The Segway PT has four sensors located beneath the Mats. Rider Detect Sensors detect the presence or absence of a rider while the Segway PT is powered on.

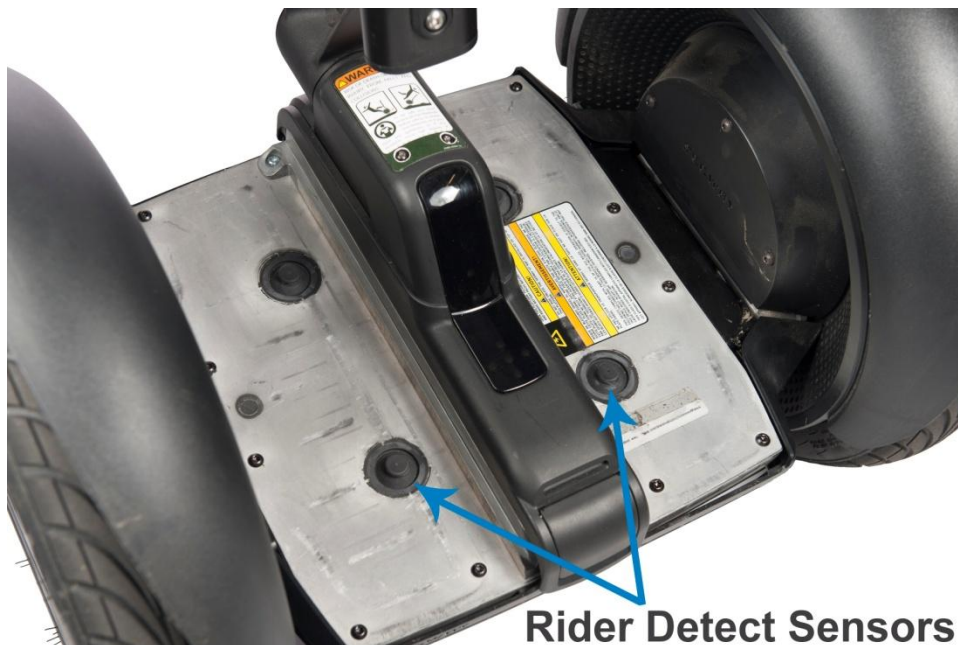
When your feet are properly positioned on the Mats, all four Rider Detect sensors depress, allowing the Segway PT to operate normally in Balance Mode.

If fewer than three Rider Detect sensors are depressed while riding, the Segway PT reduces the top speed limit regardless of whether Beginner Setting is enabled or not. Once your feet are properly positioned again, the Segway PT regains full performance.

Show Rider Detect Sensor positions by pointing to Mats and showing the locations.

If the Segway PT is moved too quickly while in Balance Mode and none of the Rider Detect Sensors are depressed, the Segway PT will give the Stick Shake Warning before exiting Balance Mode and transitioning to Standby Mode.

Demonstrate moving Segway PT too quickly while in Riderless Balance Mode, until Shtick Shake Warning occurs followed by Standby Mode after five feet.



Riding Form

Your posture and stance affect your ability to ride safely:

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, your legs loose, and knees and elbows bent. This helps you maintain your balance over rough terrain.

Leave a gap between yourself and the Handlebar. Do not lean over or into the Handlebar. Leaning over or into the Handlebar dramatically increases the risk of collisions, falls, and loss of control.

Keep your feet centered on the Mats.

Practice controlled stopping.

Keep your body aligned with the LeanSteer Frame and lean into turns.

Point the LeanSteer Frame in the direction you want to travel.

Make sure the Handlebar is set to the correct height.

Demonstrate as you explain each point.

Avoiding Hazards

The Segway PT 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 and learn to identify and avoid slippery, icy, or wet surfaces, loose materials (sand/gravel), steep slopes, and obstacles.

Stop and step off your Segway PT and use Riderless Balance Mode to move your Segway PT over unsafe surfaces or terrain.

Explain that not all hazards trigger a safety alert. Safety Alerts need time to have a positive effect. If an action is instantaneous, there is no time for a Safety Alert to help keep you safe. Your only choice is to avoid slips, trips and tips.

Avoiding Slips

The Segway PT Tires must be able to grip the ground for the machine to stay upright!

Slips occur when the Segway PT loses traction, potentially causing loss of control and a fall. Abrupt maneuvers, and riding over slippery surfaces, loose objects and materials, or steep slopes can cause the Segway PT to lose traction.

- Avoid abrupt maneuvers, such as fast stopping or starting.
- 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 over any terrain change such as pavement to grass, or over a threshold or speed bump.
- Avoid riding on steep slopes.
- Maintain Tire contact with the ground.

Emphasize that if you slip, you will probably fall.

Avoiding Trips

Trips occur when the Segway PT's Wheel or Powerbase encounters an obstacle or terrain change that prevents the Segway PT from moving, bringing it to an abrupt stop and potentially causing a fall.

- Avoid holes, curbs, steps, and other obstacles.
- Avoid riding over any surface where the bottom of the Segway PT may strike any object.
- Use caution when riding over any terrain change such as pavement to grass, or over a threshold or speed bump.

Remind the rider that width of the Segway PT is slightly wider than your shoulders.

Emphasize if you trip you will most likely fall.

Avoiding Tips

The Segway PT balances front to back but not side-to-side.

You are responsible for maintaining side-to-side balance by leaning into turns. If you fail to actively maintain this side-to-side balance, the Segway PT can tip sideways and fall.

- Avoid riding across steep slopes.
- Lean into turns and lean uphill when riding across gentle slopes.
- Keep the LeanSteer Frame vertical when riding across a slope.
- Avoid turning on slopes or ramps.
- Never let go of the Handlebar when riding across a slope. The Segway PT will turn downhill and you could lose your balance.
- Stay centered on narrow sidewalks or elevated paths.
- Avoid turning when maneuvering backward.
- Make sure that one Wheel does not drop off a curb.

Emphasize if you tip you will most likely fall.

Riding Your Segway PT

This section describes how to ride the Segway PT. It discusses riding for the first time and helpful hints for all rides.

It is important that you practice riding in a controlled, familiar environment until you are comfortable using your Segway PT and InfoKey Controller.

Inspect your Segway PT before each use. Do not ride if any part is loose, damaged, or if Tires are not properly inflated.

Do not wear loose clothing or jewelry that could get caught in the Segway PT.

Step 1: Preparing for Your Ride

To prepare for your first ride:

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 and should be free of obstructions and away from vehicles, bicycles, pets, small children, and other distractions.

You will need a spotter who has studied all the instructions and warnings in this manual and the Safety Video to help you and assist you with the instructions.

Put on your helmet and fasten and adjust the chinstrap and head ratchet if applicable.

Move the Segway PT to the center of the riding area.

Adjust the Handlebar height as you explain to the Rider how to do it.

The Coach is the spotter. Coach should have studied all User Materials prior to giving Product Orientation and be comfortable operating the Segway PT.

Step 2: Powering On the Segway PT

Using the InfoKey Controller, power on your Segway PT by pressing the Power/Standby button. The Power/Standby button is located on the bottom left-hand side of the InfoKey Controller.

You will hear a tone from the Segway PT and the Balance Indicator lights (located on the Console) will illuminate to indicate the power is ON and the Segway PT is in Standby Mode.

Make sure to let the Rider do this. The goal is self-sufficiency.

Point out battery charge level in the display.

Point out Balance Indicator Lights.

Step 3: Confirming the Beginner Setting

Ensure that the Beginner Setting is enabled by confirming that the Turtle icon shows on the InfoKey Controller display.

For additional information on what to do if you do not see the Turtle icon on the InfoKey Controller display, see “Configuring and Locking the Beginner Setting” in the User Manual.

Point out Turtle Icon. Explain that Beginner Setting is locked and they can unlock it when they are ready by following instructions in User Manual.

Step 4: Before Stepping On

Your Segway PT is on, but it is not balancing. While standing behind the Segway PT, center the Handlebar and level the Powerbase. If any of the four outer Balance Indicator lights are red, tilt the Powerbase or Handlebar in the opposite direction of the light(s). When the Segway PT is ready to enter Balance Mode, the center Balance Indicator light will light up green. While the center balance indicator light is green, touch the footpad once to enable riderless balance mode. Make sure your InfoKey Controller is installed in the Dock prior to stepping on.

When the center Balance Indicator light is green, the Segway PT is ready for you to step onto the Mats.

Move LeanSteer frame around showing how Balance Indicator Lights correspond. Then center and point out Green center Balance Indicator Light.



Step 5: Stepping On

Remember, the Segway PT will move forward, backward or turn if you move the Handlebar. Avoid pushing, pulling, or leaning the Handlebar as you step on.

Stand in front of the Segway PT, face Rider, and hold the Handlebar securely with both hands.

Be prepared to firmly hold the Segway PT to keep it from moving.

Confirm the center Balance Indicator lights are pulsing green.

Explain the actions and guide the Rider to perform each one.

To step onto the Segway PT:

Coach should continue holding firmly the entire time, and be prepared to keep the Segway PT from moving as Rider steps on or off.

- Hold the Handlebar with both hands, and as you step up, look forward and not down.
- Place just one foot on the Mat.
- Slowly transfer your weight to your foot on the Mat.
- Slowly, while avoiding moving the Handlebar, raise your back foot off the ground and place it on the Mat. Stay calm and relaxed. Look forward.
- If you feel unstable, step off the Segway PT, one foot at a time, and pause before stepping back on.
- Keep the Powerbase level to remain stationary.

Step 6: Moving Forward and Backward

The Segway PT moves forward and backward in response to changes in your position.

Hold the Handlebar for Rider:

When standing on the Powerbase, to move forward or backward: Slowly lean forward and feel the Segway PT move forward. Then stop leaning forward and feel it slow down and stop. Do this a few times.

Stand close and spot the Rider and s/he moves forward and backward.

Look behind you and then slowly lean back and feel the Segway PT move backward. Then stop leaning back and feel it slow down and stop. Do this a few times.

Make sure Rider is not pushing or pulling Handlebar. Encourage Rider to use heels and toes to move forward and backward.

Practice going forward and backward a short distance in each direction. Be careful not to run the Wheels into any wall or object. This could cause you to fall.

<p>Step 7: Stopping</p>	<p><i>Demonstrate stopping. Make sure your shoulders are aligned over your hips. Show this S-L-O-W-L-Y. Don't do any abrupt stops.</i></p>
<p>To stop the Segway PT:</p> <p>When you are moving forward, gently stretch away from the handlebar and shift your hips backwards (as if you are preparing to sit down) to bring the Segway PT to a stop.</p> <p>Once stopped, center your weight over the Powerbase to remain stationary. If you continue to lean back, you will move backward.</p> <p>Practice choosing a spot on the ground, and coming to a smooth controlled stop at that spot. Then remain stationary.</p>	<p><i>Spot closely, especially during first attempt at stopping.</i></p> <p><i>Guide the Rider to stop in a few locations. Coach the Rider to be smooth, and keep shoulders and hips aligned.</i></p> <p><i>Remind them they are not squatting but stretching away from the handlebar and placing weight on the heels of their feet.</i></p>
<p>Step 8: Turning the Segway PT</p>	<p><i>Demonstrate turning in place.</i></p>
<p>The Segway PT turns in the direction that you lean the Handlebar. You turn the Segway PT by leaning the Handlebar left or right.</p>	<p><i>Guide the Rider as s/he turns in place.</i></p>
<p>Turning In Place</p> <p>First, practice turning in place. To turn in place, slowly pivot the Handlebar to the side in the direction that you want to turn. The Segway PT will rotate so that you turn in place. Practice turning to the right and to the left using this technique.</p>	<p><i>Demonstrate smoothly turning in an oval and figure-8s</i></p>
<p>Turning While Moving</p> <p>After you are comfortable going forward, d backward and turning in place, try slowly riding forward and turning at the same time. Keep your knees slightly bent and lean in the direction of the turn in coordination with the angle of the LeanSteer Frame. Keep your body aligned with the LeanSteer Frame while turning.</p> <p>Because abrupt turns can be dangerous, always lean into turns slowly and smoothly.</p>	<p><i>Spot and give pointers as Rider performs moving turns.</i></p>

Step 9: Stepping Off

Remain stationary by keeping your weight centered over the Wheels and Powerbase and keep the Handlebar vertical.

Hold the Handlebar as Rider steps off. Correct if Rider pushes/pulls/turns while stepping off.

To step off the Segway PT:

Spot closely.

To step off the Segway PT remove one hand from the handlebar and loosen the other hands grip.

Point out Balance Indicator Light and InfoKey Controller Display after Rider steps off.

Without leaning backward or to the side, step off the Segway PT, one foot at a time. Remember to remove both feet completely from the Segway PT.

After you have stepped off, continue to hold the Handlebar in place. If you let go, the Segway PT will roll forward and can potentially cause injury or damage.

When you step off, the Segway PT enters Riderless Balance Mode. In Riderless Balance Mode, the Segway PT moves forward, backward and turns in response to how you move the Handlebar. Use Riderless Balance Mode to move the Segway PT over curbs or terrain where it is unsafe or undesirable to ride.

Step 10: Securing Your Segway PT

The Segway PT provides a Security function in case you need to leave your Segway PT unattended. The Security function includes an alarm and uses the motors to make it difficult to move your Segway PT.

The best way to discourage tampering with your Segway PT is to keep it in a secure indoor location with the InfoKey Controller stored separately. The Security function is intended for use when you remain in the general area of the Segway PT and are able to respond to an alarm. If you must leave your Segway PT unattended in a location that is not secure, activate the Security function with your InfoKey Controller, use a lock and take the InfoKey Controller with you.

Security Function discourages tampering, but is not an “anti-theft” mechanism. Use it as a deterrent.

To set the Security function:

- Step off your Segway PT.
- Press the Security button on the InfoKey Controller. The Segway PT provides an audio indication that the Security function is activated and a lock icon displays on the InfoKey Controller:
- Be sure to take your InfoKey Controller with you (do not leave it with the Segway PT).
- To deactivate the Security function, press the power button to turn the InfoKey back on. Then press the Security button on the InfoKey Controller. The Lock icon on the InfoKey Controller disappears and the Security function is no longer activated.

Show Rider how to set and to deactivate the Security Function. While the Security Function is set, show the Rider what happens when you try to move the Segway PT.

Step 11: Powering Off the Segway PT

Power off the Segway PT by pressing and holding the Power/Standby button on the InfoKey Controller for two seconds.

The display on the InfoKey Controller will show a sleepy face and the Segway PT S will emit a tone as the Segway PT powers off.

Show Rider how to Power Off and let Rider perform action.

Practice Riding

<p>You will need to become very familiar with your Segway PT 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:</p>	
<p>Use the Beginner Setting and ride in areas free of obstacles and distractions until you are comfortable on your Segway PT. Practice at the Beginner level until you can step on, ride forward and backward, turn, stop, and step off with the same precision and confidence as you walk.</p>	<p><i>Ask if Rider knows how to tell if Segway PT has Beginner Setting enabled.</i></p>
<p>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, paved walkway.</p> <p>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.</p> <p>Your first rides without the Beginner Setting should be in the same secure areas where you learned to ride with the Beginner Setting.</p> <p>Use caution when riding in new environments.</p> <p>Be careful when riding through a doorway.</p> <p>Make sure you leave enough Wheel clearance.</p> <p>Watch out for terrain transitions such as pavement and grass.</p>	
<h3>Navigating Terrain</h3>	
<p>With practice, you can learn to ride over many different types of terrain, provided you avoid slippery surfaces, loose materials, steep slopes, and obstacles. Always proceed slowly over unfamiliar terrain.</p> <p>Never allow the Segway PT to become airborne, even for short periods of time, because the Segway PT has no traction when airborne, and you could lose control upon landing.</p>	

Terrain Compensation

The Segway PT is designed to compensate for uneven terrain. When riding straight on uneven terrain, keep the LeanSteer Frame vertical.

Point the LeanSteer Frame in the direction you want to move and allow the Powerbase to follow the contour of the ground.

Navigating Stairs and Curbs

Step off of the Mats.

Check the Console and verify the Segway PT is in Riderless Balance Mode.

Walk around so you are in front of the Segway PT.

Carefully guide the Segway PT to the stairs and align the Wheels perpendicular to the stairs or curb.

Always stand above the Segway PT, facing the Handlebar. Gently guide the Segway PT up or down, one step at a time.

Riding Etiquette

Use proper etiquette when riding your Segway PT.

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.

When riding with other Segway PT 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.

Do not park your Segway PT in a way that blocks pedestrian traffic.

Cross roads at designated crosswalks or signaled intersections. Do not jaywalk/ride.

Only travel on a road when a pedestrian way is not available or when sidewalk use is not allowed.

Do not ride your Segway PT on private property (inside or outside) unless you have obtained permission to do so.

Learn about and obey applicable laws and regulations.

Safety Tips and Guidelines

The Segway PT's unique balancing ability and ease of use can lead you to become overconfident. If you exceed the ability of the Segway PT to balance, 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 Segway PT exposes you to risk of injury and can even result in death. You can reduce the risk by following all the instructions and warnings in the User Manual and Safety Video, but you cannot eliminate the risk.

Show the User Manual and Safety Video DVD.

You may be one of the first Riders in your area to have a Segway PT. Riding safely and courteously will help to earn your place on the sidewalk.

Emphasize how important it is that ANY new rider is carefully spotted and supervised. It is the Rider's responsibility to share with care!

Review user materials and pay special attention to the Segway Etiquette information.

Sharing the Experience

We know you might want to have your friends, family and neighbors try your Segway PT. These are the things you need to remember before anyone tries your Segway PT.

1. Always select the Beginner Setting for new Riders.
2. Always provide a helmet for the Rider.
3. Always hold the Handlebar when new Riders step on and step off until you are CERTAIN s/he can do it competently.
4. Always remain within an arms length of the new Rider, so you can hold the Handlebar to control the Segway PT if necessary.

Work with the Rider to ensure s/he knows the important steps in safely sharing the Segway PT.



Segway® Personal Transporter (PT)
Tour Orientation Checklist for Riders

Please initial where needed, indicating the items below were explained by your Tour Guide, and are understood by you.

RIDER INITIALS

1. Provided an opportunity to review the Safety Video and/or User Manual
2. Wear a helmet



These items were provided to me.

Operation of the Segway PT

3. Adjust the handlebar height
4. Power on the Segway PT and power off
5. Change from Standby Mode to Balance Mode, and back to Standby Mode, read the Balance Indicator Lights
6. Ensure the Segway PT is in Balance Mode, and Battery charge is adequate
7. Slowly and smoothly step on the Segway PT
8. Step down from the Segway PT without moving the machine and while keeping the platform level
9. Move forward, backward, remain stationary
10. Turn in place
11. Execute a controlled stop
12. Execute smooth, controlled, leaning turns around cones
13. Always leave a gap between the body and the handlebar
14. No taking of photographs from the platform of the Segway PT



These items were explained to me and I understand how to perform each operational skill.

Safety Features

15. Understand how to enable and disable Beginner Setting
16. Recognize the Speed Limiter and respond by slowing down
17. Recognize the Stick Shake Warning and respond by slowing down or stopping and stepping off
18. Recognize the Safety Shutdown and respond by stepping off safely within 10 seconds and stay off
19. Understand how the Segway PT behaves while a rider is on and off the Platform while in Balance Mode. Never let go of the machine while it is in Balance Mode
20. Anticipate and avoid slips, trips and tips
21. Keep both hands and feet on the Segway PT
22. Riders must not be under the influence of alcohol or drugs or suffer any impairment to balance



I understand the safety features.

I recognize that this Tour Orientation is a partial introduction to the features and functions of the Segway PT and is NOT the complete Product Orientation provided to Segway PT purchasers who use their machines independent of a Segway Tour Guide. I acknowledge that I need to ride conservatively, avoid abrupt maneuvers, and avoid riding in any area designated "off limits" by the Tour Operator.

Rider's Name _____ Rider's Signature _____ Date _____

Rider's Address _____

E-mail _____ E-mail is optional. By providing your e-mail you're approving e-mail communications from Segway.

Trainer's Name _____ Serial # _____

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<h2 style="margin: 0;">Segway® PT Guided Tour Rider Orientation</h2>	
<h3 style="margin: 0;">Getting Started & Segway Etiquette</h3>	<ul style="list-style-type: none"> ▪ InfoKey Controller Buttons and Docking ▪ Assemble the Segway PT and Charge the Batteries ▪ Reading the Charge Indicator Lights ▪ Confirm adequate battery charge ▪ Fasten helmet straps ▪ Discuss importance of etiquette ▪ Cover Min/Max. Payload ▪ Define learning space ▪ Adjust handlebar height ▪ 12 x 12 or more ▪ No obstacles ▪ No distractions (cell phones, noise, pets) ▪ Smooth, dry, flat, good traction
<p>Prior to allowing Riders to step on, cover “Safety Features” and “Avoid Hazards” sections, using Instructor’s machine for demonstration.</p>	
<h3 style="margin: 0;">Safety Features</h3>	<ul style="list-style-type: none"> ▪ Speed Limiter (Simulate while stationary) ▪ Stick Shake (Power Assist, tilt platform, step) ▪ Safety Shutdown (Use Training Safety Shutdown function)
<h3 style="margin: 0;">Avoid Hazards</h3>	<ul style="list-style-type: none"> ▪ Slips – losing traction ▪ Trips – trapping a wheel ▪ Tips – falling off a curb
<p>Work with 1-2 Riders at a time until you are sure Riders can remain safe and in control.</p>	
<h3 style="margin: 0;">Riding Your Segway PT SE</h3>	<ol style="list-style-type: none"> 1. Power on the Segway PT 2. Confirm Beginner Setting 3. Confirm Segway PT is ready to balance 4. Step on with Spotter holding 5. Forward, backward, stationary 6. Stopping/Watch then try controlled stop 7. Turning/Watch then try leaning turns 8. Remain stationary 9. Step off with Spotter holding 10. Secure the Segway PT 11. Power Off
<h3 style="margin: 0;">Sharing the Experience</h3>	<ul style="list-style-type: none"> ▪ Use the Beginner Setting ▪ Hold the Handlebar as the new Rider steps on and off ▪ Stay within an arm’s length ▪ Use a helmet ▪ Train the Rider in accordance with the User Materials ▪ Remember— it’s YOUR responsibility to keep the Rider safe
<p>Remind Rider that this Product Orientation is an <u>introduction</u> to the features and functions of the Segway PT. Explain that expertise is developed through <u>independent and continued practice</u> on the Segway PT. Reinforce that the Rider needs to practice and become proficient using the Beginner Setting before disabling the Beginner Setting, or riding the Segway PT outside of the controlled, familiar practice environment.</p> <p>©Segway Inc. 2015. All Rights Reserved</p>	