

The InfoKey Controller

This chapter describes how the InfoKey Controller works. It includes:

- A description of the InfoKey Controller and its display, buttons and icons, and functionality.

InfoKey Controller

Use the InfoKey Controller to operate and monitor your PT. The InfoKey Controller has four buttons around the outer edge and a display in the center. The InfoKey Controller must be within 15 ft. (5 m) in order to communicate with your PT.

InfoKey Controller Buttons

The InfoKey buttons allow you to select PT functions and scroll through various information.

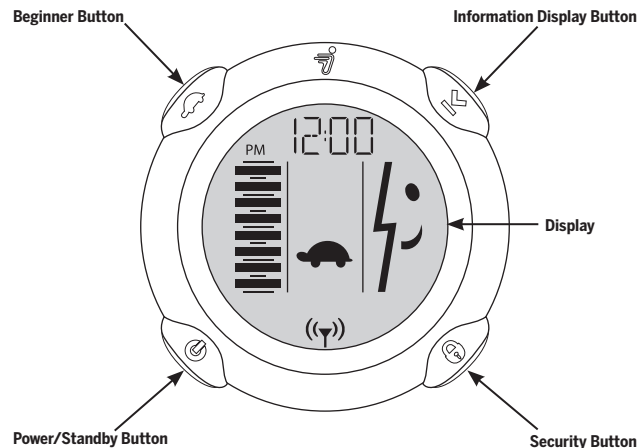






Figure 24: InfoKey Controller Buttons

Table 4: InfoKey Controller Buttons (refer to Figure 24)

Button	Description
Power/Standby 	Allows you to power the PT on and off and switch from Balance Mode to Standby Mode. (p. 42)
Beginner 	Allows you to toggle the Beginner Setting on and off and illuminate the Backlight. (p. 43)
Information Display 	Allows you to scroll through information including time, date, speed, average speed, trip distance, and odometer. Allows you to set time, speed/distance format, date, and reset the average speed and trip distances. (p. 44)
Security 	Allows you to activate the security function (alarm). (p. 47)

InfoKey Controller (cont.)

InfoKey Controller Display

The InfoKey Controller display provides status information such as messages and warnings, through various icons (see **Figure 25** and **Table 5**).

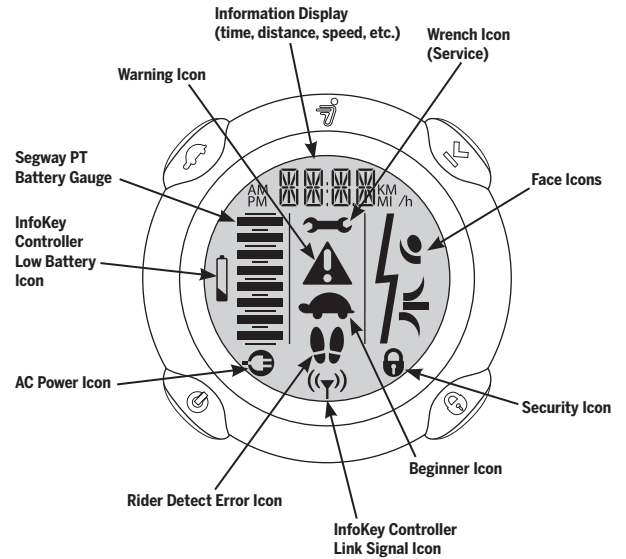













Figure 25: InfoKey Controller Display/Icons

Table 5: InfoKey Controller Icons

Icon	Description
Information Display	 Displays time, date, speed, average speed, trip distance, and odometer. (p. 44)
Wrench	 Indicates a system fault that requires service; also displayed during a Safety Shutdown. (p. 132)
Face	 A series of face icons display to indicate status. You may see a happy, sad, or neutral face depending on the current status of the PT.
Security	 Indicates the security function is activated. (p. 47)
Beginner	 Indicates Beginner Setting is enabled (top speed and turning sensitivity set at lower rates). (p. 43)
InfoKey Controller Link Signal	 Indicates the InfoKey Controller has detected the PT. The InfoKey Controller must be within 15 ft. (5 m) in order to communicate with the PT.
Rider Detect Error	 Displays if any two of the four Rider Detect Sensors (two located beneath each Mat) are not depressed while you are riding. Displays in Standby Mode if you attempt to step onto a PT that is not ready to ride, and displays at startup if there is any weight on the Mats. (p. 33)
AC Power	 Indicates the PT is plugged in to AC power. (p. 87)
InfoKey Controller Low Battery	 Indicates the InfoKey Controller battery must be replaced. (p. 115)
Segway PT Battery Gauge	 Indicates the amount of power remaining in the PT Batteries. (p. 90)
Warning	 Indicates a warning condition caused by factors such as aggressive riding, system operating outside of temperature range, rider lifting foot off of Mat, etc.

InfoKey Controller (cont.)

Power/Standby Button Functions

The following functions can be performed using the Power/Standby button.

Powering On and Off

To power on the PT:

1. Stand no more than 15 ft. (5 m) from your PT.
2. To power on, tap the Power/Standby button.
3. To power off, press the Power/Standby button for 2 seconds.

The PT will only power off when no Rider Detect Sensors are depressed (when there is no weight on the Mats).

Switching to Standby Mode from Balance Mode

1. Ensure the PT is powered on and in Balance Mode.
2. To switch to Standby Mode, tap the Power/Standby button.
3. Confirm that there is no face in the Display and that no Balance Indicator Lights are flashing.

If all four Balance Indicator lights are green and flashing, the PT is still in Balance Mode. The PT will only switch to Standby mode when no Rider Detect Sensors are depressed (when there is no weight on the Mats).

See "Balance Mode/Riderless Balance Mode" for more information (p. 31).

NOTE: If the InfoKey Controller display becomes blank while the PT is being ridden, simply tap the Power/Standby button to refresh the display. The PT will stay in Balance Mode, allowing full and proper operation.

Beginner Button Functions

The following functions can be performed using the Beginner button.

Enabling and Disabling the Beginner Setting

1. To disable the Beginner Setting, confirm that the Beginner icon (turtle) is displayed, then tap the Beginner button. The Beginner icon will no longer show in the Display.
2. To enable the Beginner Setting, confirm that the Beginner icon is not displayed, then tap the Beginner button. The Beginner icon will show in the Display.

See "Unlocking and Locking the Beginner Setting" (p. 48) for more information.

The PT will only accept these commands when no Rider Detect Sensors are depressed (when there is no weight on the Mats).

Illuminating the Backlight

1. Press and hold the Beginner button to illuminate the Backlight.
2. Release the Beginner button to turn off the Backlight.

InfoKey Controller (cont.)

Information Display Button Functions

The following functions can be performed using the Information Display Button.

Scrolling Through Information

Tap the Information Display button to scroll through the following information:

- Time
- Date
- Current speed
The speed/distance format flashes.
- Average speed
The speed/distance format does not flash; all trips are averaged until you reset the average speed function.
- Trip distance
The speed/distance format flashes, and shows distance traveled.
- Odometer
The speed/distance format does not flash, and shows total distance traveled on the Segway PT.

NOTE:

After replacing the InfoKey Battery, all information will revert to default. Trip distance/average speed will reset to "0." Odometer will not reset.

Setting and Resetting Information

The following procedures are covered in this section:

- Setting time format, hour and minute
- Setting speed/distance format, date format, year, month, and day
- Resetting average speed
- Resetting trip distance

Setting Time Format, Hour, and Minute

1. Set Time Format (12- or 24-hour Clock)

Tap the Information Display button until the time displays. Press and hold the Information Display button until the time format segment flashes either "12" or "24." Select the 12- or 24-hour format by tapping the Security button until the desired format is displayed. Release the Information Display button. Tap the Information Display button to confirm and advance to the hour setting.

2. Set Hour

Select the hour by tapping the Security button until the desired hour is displayed. Press and hold the Security button to fast-advance hours. Tap the Information Display button to confirm and advance to the minute setting.

3. Set Minute

Select the minute by tapping the Security button until the desired minute is displayed. Press and hold the Security button to fast-advance minutes. Tap the Information Display button to confirm the time setting. The time is now set.

Setting Speed/Distance Format, Date Format, Year, Month, and Day

1. Set Speed/Distance Format (MI or KM)

Tap the Information Display button until you see the month/day or day/month alternating with the year. Press and hold the Information Display button until the MI/h or KM/h shows in the display. Release the Information Display button. Select the MI/h or KM/h format by tapping the Security button until the desired format is displayed. Tap the Information Display button to confirm and advance to the date format setting.

continued

InfoKey Controller (cont.)

Setting Speed/Distance Format, Date Format, Year, Month, and Day (cont.)

2. Set Date Format (MO.DA or DA.MO)

Select the MO.DA (Month.Day) or DA.MO (Day.Month) format by tapping the Security button until the desired format is displayed. Tap the Information Display button to confirm and advance to the year setting.

3. Set Year

Select the year by tapping the Security button until the desired year is displayed. Press and hold the Security button to fast-advance years. Tap the Information Display button to confirm and advance to the month setting.

4. Set Month

Select the month by tapping the Security button until the desired month is displayed. Press and hold the Security button to fast-advance months. Tap the Information Display button to confirm and advance to the day setting.

5. Set Day

Select the day by tapping the Security button until the desired day is displayed. Press and hold the Security button to fast-advance days. Tap the Information Display button to confirm speed/distance format, date format, year, month, and day. These are now set.

Setting Speed Limits and Shutdown Timeout

Speed Limit:

Press and hold the Information Display button until the odometer is shown on the screen. Then, hold the Information Display button for about two (2) seconds, until you see the Beginner ("SPD1") speed limit. The InfoKey controller screen will alternate between "SPD1" and the current Beginner speed limit setting. Tapping the Security button will show the next available speed limit. Beginner Setting speed limit options range from 4.0 mph to 8.0 mph in 0.5 mph increments. Once your preferred Beginner Setting speed limit is shown on the screen, press the Information Display button again to save the Beginner Setting speed limit. The Infokey controller screen will now alternate between "SPD2" (Standard Setting) and the current Standard speed limit. Tapping the Security button will show the next available speed limit. Standard Setting speed limit options range from 4.0 mph to 12.5 mph in 0.5 mph increments. Once your Standard Setting speed limit is shown on the screen, press the Information Display button again to save the Standard Setting speed limit. The Infokey controller screen will now alternate between the current Shutdown Timeout setting and "-OFF".

Shutdown Timeout:

Shutdown timeout is the period of time the PT will remain powered on in standby mode. Tapping the Security button will cycle through the available shutdown timeouts: 4 seconds, 30 seconds, 1 minute, 5 minutes, 15 minutes. Pressing the Information Display button will save your selected timeout setting and return the InfoKey controller to normal operation. Your Speed Limit and Shutdown timeout settings will now be activated the next time you power on your PT.

Resetting Average Speed

Tap the Information Display button until you see the average speed ("MI/h" or "KM/h" does not flash). Press and hold the Information Display button until average speed resets to "0.0."

Resetting Trip Distance

Tap the Information Display button until you see your trip distance ("MI" or "KM" flashes). Press and hold the Information Display button until the trip odometer resets to "0.0."

Security Button Functions

The following functions can be performed using the Security Button.

Enabling and Disabling the Security Function

1. To enable the Security Function, tap the Security button. The Security icon (lock) will show in the Display.
2. To disable the Security Function, tap the Security button. The Security icon (lock) will no longer show in the Display.

The PT will only accept these commands when no Rider Detect Sensors are depressed (when there is no weight on the Mats).

The Security Function includes an alarm and a mechanism that makes it difficult to move your PT and discourages tampering. The best way to deter theft of your PT is to keep it in a secure indoor location with the InfoKey Controller stored separately. If you must leave your PT unattended in a location that is not secure, enable the Security Function and remain within audible range so you can respond, should the alarm sound.

InfoKey Controller (cont.)

Button Combination Functions

The following functions require you to simultaneously push a combination of InfoKey Controller buttons.

Unlocking and Locking the Beginner Setting

For your first ride, the PT is set to operate exclusively with the Beginner Setting enabled. If the Beginner icon (turtle) does not display, do NOT ride the PT until you enable the Beginner Setting. The PT ships from the factory with the Beginner Setting locked, to encourage new riders to learn using the Beginner Setting.

To unlock the Beginner Setting:

1. Power on the PT.
2. Press and hold the Beginner Button and the Information Display Button simultaneously for more than 10 seconds. The Information Display button will flash.
3. Make sure the PT has not entered Balance Mode.
4. Confirm that the Beginner icon (turtle) toggles when the Beginner button is tapped.

Once the Beginner Setting is unlocked, you can toggle the Beginner Setting on or off by tapping the Beginner button.

To lock the Beginner Setting:

1. Repeat Steps 1 and 2 above.
2. Confirm that the Beginner icon (turtle) is showing on the InfoKey Display.
3. Test the lock by tapping the Beginner button and confirming that the Beginner icon remains showing in the InfoKey Display.

Activating the Training Safety Shutdown

WARNING

Before you demonstrate a Safety Shutdown for training purposes, you must read "Safety Shutdown" (p. 57) and watch the Safety Video.

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

1. Make sure the PT is in Balance Mode.
2. The rider should stand on the Mats with the PT remaining stationary.
3. The spotter should firmly hold the PT, ready to keep it steady and stationary when the Safety Shutdown begins.
4. A third person should hold the InfoKey Controller, and confirm that both the rider and the spotter are ready.
5. The third person may then press and hold both the Information Display button and the Power/Standby button simultaneously until the Safety Shutdown initiates. **Figure 26** shows the InfoKey Controller display during a training Safety Shutdown.
6. The spotter must continue holding the PT so it does not move.
7. The rider must step off the PT before 10 seconds elapse.

In a non-training Safety Shutdown, the rider has approximately 10 seconds from the start of the Safety Shutdown to come to a controlled stop and step off. After 10 seconds, the PT will immediately shut down when the Wheels reach zero speed.

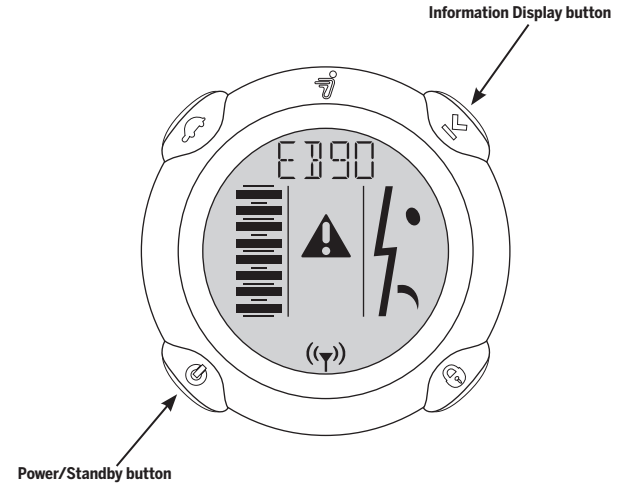


Figure 26: InfoKey Controller Display During Training Safety Shutdown