CLAIMS:

1. A restraint system for a ride vehicle, the restraint system comprising:

a rigid restraint configured to extend across a passenger to secure the passenger within a seat of the ride vehicle;

a soft restraint coupled to the rigid restraint, wherein the soft restraint comprises a pliable material configured to conform to a substantial portion of a torso of the passenger; and

a haptic feedback system integrated within the soft restraint, wherein the haptic feedback system is configured to generate vibrational forces and impart the vibrational forces to the torso of the passenger.

2. The restraint system of claim 1, wherein the haptic feedback system comprises a plurality of motors, a plurality of actuators, or both, integrated with the soft restraint.

3. The restraint system of claim 1, wherein the haptic feedback system comprises a vibrational force generator over-molded to the soft restraint.

4. The restraint system of claim 1, wherein the soft restraint comprises a plurality of straps configured to couple the soft restraint to the seat of the ride vehicle and to secure the soft restraint against the torso of the passenger.

5. The restraint system of claim 4, comprising at least one locking retractor configured to retract at least one strap of the plurality of straps to bias the soft restraint against the torso of the passenger.

6. The restraint system of claim 1, wherein the rigid restraint comprises a lap bar configured to be positioned adjacent to legs of the passenger in a deployed configuration, and wherein the soft restraint is coupled to the lap bar.

7. The restraint system of claim 6, wherein the rigid restraint comprises over-shoulder bars coupled to the lap bar, wherein the over-shoulder bars are configured to extend from the seat and over the passenger in the deployed configuration.

8. The restraint system of claim 1, wherein the haptic feedback system comprises:

a sensor configured to collect feedback associated with the passenger, the ride vehicle, or both; and

a controller configured to adjust operation of the haptic feedback system based on the collected feedback.

9. The restraint system of claim 8, wherein the sensor comprises a heart rate sensor configured to detect a heart rate of the passenger.

10. The restraint system of claim 8, comprising an input device communicatively coupled to the controller, wherein the input device is configured to enable adjustment of operation of the haptic feedback system by the passenger.

11. The restraint system of claim 1, wherein the soft restraint is configured to cover at least 50 percent of a front side of the torso of the passenger.

12. A method for operating a ride system, comprising:

securing a passenger within a seat of a ride vehicle with a rigid restraint of the ride vehicle;

applying a soft restraint to a substantial portion of a torso of the passenger, wherein the soft restraint is coupled to the rigid restraint;

generating vibrational forces with a haptic feedback system integrated with the soft restraint; and

imparting the vibrational forces to the torso of the passenger.

13. The method of claim 12, wherein applying the soft restraint to the substantial portion of the torso of the passenger comprises covering a majority of a front side of the torso of the passenger with the soft restraint.

14. The method of claim 12, wherein imparting the vibrational forces to the torso of the passenger comprises simulating a sensation, an element, or a phenomenon associated with a simulated environment of the ride system.

15. The method of claim 12, comprising coordinating generation of the vibrational forces with operation of an additional sensory system of the ride system, wherein the additional sensory system comprises a lighting system, a display system, a sound system, an aromatic system, or any combination thereof.

16. The method of claim 12, wherein securing the passenger within the seat of the ride vehicle comprises:

positioning and locking over-shoulder bars of the rigid restraint over the passenger; and

positioning a lap bar of the rigid restraint adjacent to legs of the passenger, wherein the soft restraint is coupled to the lap bar.

17. The method of claim 12, comprising:

collecting, via a sensor or input device, feedback associated with the passenger, the ride vehicle, or both; and

adjusting operation of the haptic feedback system based on the feedback.

18. A ride vehicle system, comprising:

a ride vehicle comprising a seat configured to accommodate a passenger;

a restraint system of the ride vehicle, wherein the restraint system comprises:

a rigid restraint configured to secure the passenger within the seat;

a soft restraint coupled to the rigid restraint, wherein the soft restraint comprises a pliable material configured to conform to a majority of a torso of the passenger; and

a haptic feedback system configured to generate vibrational forces and impart the vibrational forces to the torso of the passenger, wherein the haptic feedback system is integrated within a material of the soft restraint; and

a controller configured to regulate operation of the haptic feedback system to simulate a sensation, an element, or a phenomenon associated with a simulated environment of the ride vehicle system.

19. The ride vehicle system of claim 18, wherein the controller is configured to regulate operation of the haptic feedback system based on operation of an additional sensory system of the ride vehicle system, based on a first signal from a sensor configured to collect feedback associated with the passenger, based on a second signal from an input device configured to be actuated by the passenger, or any combination thereof.

20. The ride vehicle system of claim 18, wherein the haptic feedback system comprises a plurality of motors, a plurality of actuators, or both, integrated with the soft restraint, and wherein the soft restraint comprises at least one strap configured to secure the soft restraint to the torso of the passenger.