CLAIMS:

~~1.~~ 1. A ride system, comprising:

a personal electronic device (PED) holding system for a ride vehicle, wherein the PED holding system comprises:

a lock that is configured to move from an unlocked configuration to a locked configuration to lock a PED of a passenger of the ride vehicle to the ride vehicle during a ride cycle; and

a charging system that is configured to charge an energy storage component of the PED during the ride cycle, wherein the PED holding system is configured to enable features of a software application on the PED in response to the PED being locked to the ride vehicle via the lock.

~~2.~~ 2. The ride system of claim 1, wherein the PED holding system comprises a container that is configured to contain the PED during the ride cycle.

~~3.~~ 3. The ride system of claim 2, wherein the PED holding system comprises a compressible material that is configured to contact the PED and to block movement of the PED relative to the container while the PED is contained within the container.

~~4.~~ 4. The ride system of claim 1, wherein the charging system is configured to charge the energy storage component of the PED in response to the PED being locked to the ride vehicle via the lock.

~~5.~~ 5. The ride system of claim 1, wherein the charging system comprises a wired charging system comprising a cable having a connector that is configured to connect to a corresponding connector of the PED.

~~6.~~ 6. The ride system of claim 1, wherein the charging system comprises a wireless charging system that is configured to wirelessly charge the energy storage component of the PED.

~~7.~~ 7. The ride system of claim 1, wherein the PED holding system comprises an adjustable arm that is configured to move to adjust a position of the PED relative to a frame of the ride vehicle during the ride cycle, and an electronic controller that is configured to control the adjustable arm to move to adjust the position of the PED relative to ~~a~~the frame of the ride vehicle during the ride cycle.

~~8.~~ 8. The ride system of claim 1, wherein the PED holding system is configured to enable use of a camera of the PED during the ride cycle.

~~9.~~ 9. The ride system of claim 1, wherein the PED holding system comprises an opening to enable the passenger to view a display screen of the PED while the PED is locked to the ride vehicle via the lock.

~~10.~~ 10. The ride system of claim 1, comprising a camera on the ride vehicle or in an environment surrounding the ride vehicle, wherein a function associated with the camera is made available to the passenger in response to the PED being locked to the ride vehicle via the lock.

~~11.~~ 11. The ride system of claim 1, comprising a ride vehicle display screen on the ride vehicle, wherein the ride vehicle display screen is configured to mirror a display screen of the PED while the PED is locked to the ride vehicle via the lock.

~~12.~~ 12. The ride system of claim 1, comprising a ride control system that is configured to communicatively couple to the PED, wherein the ride control system is configured to enable an input from the passenger at the PED to affect a show effect in an environment surrounding the ride vehicle during the ride cycle.

~~13.~~ 13. The ride system of claim 12, wherein the ride control system is configured to enable the input from the passenger at the PED to affect the show effect in response to the PED being locked to the ride vehicle via the lock.

~~14.~~ 14. A personal electronic device (PED) holding system for a ride vehicle, wherein the PED holding system comprises:

a container that is configured to contain a PED of a passenger of the ride vehicle during a ride cycle, wherein the container enables ~~the passenger~~a ride controller of the ride vehicle to ~~access~~interface with a camera ~~function~~ of the PED during the ride cycle; ~~and~~

a charging system that is configured to charge an energy storage component of the PED while the PED is contained within the container during the ride cycle~~.~~; and

~~15. The PED holding system of claim 14, comprising~~ a lock that is configured to move from an unlocked configuration to a locked configuration to lock the PED within the container, wherein the PED holding system is configured to enable features of a software application in response to the PED being locked within the container via the lock.

~~16.~~ 15. The PED holding system of claim ~~15~~14, wherein the charging system is configured to charge the energy storage component of the PED in response to the PED being locked within the container via the lock.

~~17.~~ 16. The PED holding system of claim 14, comprising an adjustable arm coupled to the container, wherein the adjustable arm is configured to move to adjust a position of the container and the PED relative to a frame of the ride vehicle during the ride cycle.

~~18.~~ 17. A method of operating a personal electronic device (PED) holding system during a ride cycle, wherein the method comprises:

charging an energy storage component of a PED during the ride cycle using a charging system of the PED holding system in response to the PED being locked to a ride vehicle via a lock~~.~~ of the PED holding system; and

enabling features of a software application on the PED in response to the PED being locked to the ride vehicle via the lock.

~~19.~~ 18. The method of claim ~~18~~17, comprising enabling access to a camera of the PED during the ride cycle in response to the PED being locked to the ride vehicle via the lock.

~~20.~~ 19. The method of claim ~~18~~17, comprising receiving an input via the PED and controlling a feature of the ride vehicle based on the input or controlling a feature of a show effect in an environment surrounding the ride vehicle based on the input, using an electronic controller.