WHAT IS CLAIMED IS:

1. A system for providing inductive power to an accessory; system comprising:

an inductively powering rail operatively connected to one or more batteries, said inductively powering rail comprising a plurality of inductively powering rail slots, each inductively powering rail slot having a primary U-Core, said accessory having secondary U-Cores designed to mate with each primary U-Core to provide an inductive power connection to said accessory, wherein said accessory includes at least one magnet and the inductively powering rail has at least one pin configured to magnetically couple the at least one magnet to a magnetic switch when the accessory engages the inductively powering rail.

2. The system of claim 1 wherein said inductively powering rail comprises a Printed Circuit Board (PCB) comprising a master CPU, said CPU configured to detect when an accessory is attached to the inductively powering rail.

3. The system of claim 2 wherein said CPU is configured to detect when an accessory is detached from the inductively powering rail.

4. The system of claim 1, said system utilizing a master CPU connected to a plurality of power sources to distribute power to one or more accessories, connected to said inductively powering rail, said power distributed via conductive power path.

5. The system of claim 1, said system utilizing a master CPU to communicate with an accessory for the purpose of determining the power requirements of the accessory and providing power from one or more sources as needed.

6. The system of claim 1, said system utilizing a master controller to recharge said one or more batteries from an external power source.

7. The system of claim 1, said system utilizing a master controller to recharge said one or more batteries from an auxiliary power source.

8. The system of claim 1 said system utilizing a master CPU connected to said inductively powering rail via a control path to communicate data to and from said accessory via an inductive control path, said inductive control path flowing between said primary and secondary U-cores.

9. The system of claim 1 said system further comprising a multi-button pad for the user to directly control an accessory connected to said inductively powering rail.

10. The system of claim 1 said system utilizing a master CPU to control each inductively powering rail slot, said control comprising means for selectively turning off power to a slot.

11. The system of claim 1, said system utilizing a master CPU to transfer data between accessories.

12. The system of claim 1, said system utilizing a master CPU to send data to an external source.

13. The system of claim 1, said system utilizing a master CPU to receive information from a multi-button pad, said information indicating which accessories are to be powered on or off.

14. A method for providing inductive power to an accessory on a firearm; said method comprising:

detecting connection of a secondary source on an accessory with a primary source on a firearm when said accessory is attached to said firearm through actuation of a magnetic switch magnetically coupled to a magnet in the accessory via a pin located in the firearm and providing an inductive power path with said accessory; and

providing power to said accessory from said secondary source.

15. The method of claim 14 further comprising:

monitoring the power requirements of all accessories,

providing information pertaining to the power requirements of all accessories to a user of said firearm,

determining if sufficient power exists for said accessories to operate; and

upon determining that said power requirements are not sufficient, using a temperature value to determine if a battery powering at least one of said accessories can be recharged.

16. The method of claim 14 wherein said secondary source is an external power source.

17. The method of claim 14 wherein said secondary source is an auxiliary power source.

18. The method of claim 14 wherein said secondary source is an on board power device.

19. The method of claim 14 wherein said secondary source is power from a second accessory.

20. A communication system for a powered rail of a firearm, comprising:

a powered rail operatively connected to a power supply;

an accessory configured to releasably engage the powered rail;

at least one pin located within the powered rail;

at least one magnet, located within the accessory;

at least one magnetic switch located within the powered rail, wherein the at least one pin is configured to magnetically couple the at least one magnet to the at least one magnetic switch when the accessory engages the powered rail.

21. The communication system as in claim 20, wherein the powered rail is configured to transfer power to and from the accessory when the accessory engages the powered rail.

22. The communication system as in claim 20, wherein the powered rail is configured to transfer data to and from the accessory when the accessory engages the powered rail.

23. A firearm, comprising:

a powered rail operatively connected to a power supply;

at least one accessory configured to releasably engage the powered rail; and

a system for providing; communication between a master CPU of the firearm and the at least one accessory when it is secured to the powered rail.

24. The firearm as in claim 23, wherein the system further provides communication between the at least one accessory and the powered rail.

25. The firearm as in claim 24, wherein the system further provides communication between the at least one accessory and another accessory when each are secured to the powered rail.

26. The firearm as in claims 23 or 25, wherein the powered rail further comprises a plurality of rails secured to the firearm.

27. The firearm as in claim 26, further comprising a communication bus for providing communication to the master CPU and at least one of the plurality of rails secured to the firearm.

28. The firearm as in claims 23-27, further comprising an external data transfer module.

29. The firearm as in claim 28, wherein the master CPU provides data to the user via the external data transfer module.

30. The firearm as in claim 29, wherein the data is provided by the at least one accessory.

31. The firearm as in claim 30, wherein the data includes GPS feedback.

32. The firearm as in claims 23 or 24, wherein the system further provides communication of data between the at least one accessory and another accessory.

33. The firearm as in claim 32, wherein the data is provided by the at least one accessory.

34. The firearm as in claim 32, wherein the data includes GPS feedback.

35. The firearm as in claim 32, wherein the data indicates range to a target.

WHAT IS CLAIMED IS:

1. A system for providing inductive power to an accessory; system comprising: an inductively powering rail operatively connected to one or more batteries, said inductively powering rail comprising a plurality of inductively powering rail slots, each inductively powering rail slot having a primary U-Core, said accessory having secondary U-Cores designed to mate with each primary U-Core to provide an inductive power connection to said accessory.

2. The system of claim 1 wherein said inductively powering rail comprises a Printed Circuit Board (PCB) comprising a master CPU, said CPU configured to detect when an accessory is attached.

3. The system of claim 2 wherein said CPU is configured to detect when an accessory is detached.

4. The system of claim 2 wherein said accessory includes magnets to engage pins within said inductively powering rail, said pins providing a magnetic flow to trigger a magnetic switch to indicate engagement of said accessory with said inductively powering rail.

5. The system of claim 1, said system utilizing a master CPU connected to a plurality of power sources to distribute power to one or more accessories, connected to said inductively powering rail, said power distributed via conductive power path.

6. The system of claim 1, said system utilizing a master CPU to communicate with an accessory for the purpose of determining the power requirements of the accessory and providing power from one or more sources as needed.

7. The system of claim 1, said system utilizing a master controller to recharge said one or more batteries from an external power source.

8. The system of claim 1, said system utilizing a master controller to recharge said one or more batteries from an auxiliary power source.

9. The system of claim 1 said system utilizing a master CPU connected to said inductively powering rail via a control path to communicate data to and from said accessory via an inductive control path, said inductive control path flowing between said primary and secondary U-cores.

10. The system of claim 1 said system further comprising a multi-button pad for the user to directly control an accessory connected to said inductively powering rail.

11. The system of claim 1 said system utilizing a master CPU to control each inductively powering rail slot, said control comprising means for turning off power to a slot should an abnormality be detected.

12. The system of claim 1, said system utilizing a master CPU to transfer data between accessories.

13. The system of claim 1, said system utilizing a master CPU to send data to an external source.

14. The system of claim 1, said system utilizing a master CPU to receive information from a multi-button pad, said information indicating which accessories are to be powered on or off.

15. A method for providing inductive power to an accessory on a firearm; said method comprising:

detecting an accessory when attached to said firearm and providing an inductive power path with said accessory; and

providing power to said accessory from a secondary source should power be required.

16. The method of claim 15 further comprising:

monitoring the power requirements of all accessories and reporting the same to the user, should power be too low determining if said accessories can be recharged based upon temperature and doing so if possible.

17. The method of claim 15 wherein said secondary source is an external power source.

18. The method of claim 15 wherein said secondary source is an auxiliary power source.

19. The method of claim 15 wherein said secondary source is an on board power device.

20. The method of claim 15 wherein said secondary source is power from an accessory.