CLAIMS

1. A method of remotely modifying a state of a computer from an authenticate state to a nonauthenticated state comprising:

   a. transmitting from a paired wireless kill switch a first transmitted signal which is a continuous service signal and a second, separate transmitted signal which is a heartbeat signal and is defined as a data packet in a separate transmission from the first transmitted signal;
   b. receiving at the computer the continuous service signal and the heartbeat signal from a paired device;
   c. after receiving the continuous service signal, determining whether the continuous service signal is above a predefined threshold;
   d. determining whether the heartbeat signal is received within a predefined time period; and
   e. performing an operable action to transfer the computer from a first operational state to a second, nonauthenticated state upon the occurrence of either (1) receipt of the continuous service signal at below the predefined threshold, (2) omission of the heartbeat signal inside of the predefined time period, or both.

2. The method of claim 1 further comprising wherein the continuous service signal is generated from a transmitter within said paired wireless kill switch, wherein said transmission capabilities are Bluetooth Low Energy transmission.

3. The method of claim 1 wherein the continuous service signal is transmitted at between every 1 millisecond and every 10 seconds.

4. The method of claim 1 wherein the continuous service signal and the heartbeat signal are encrypted.

5. The method of claim 1 wherein the predefined threshold is based upon a received signal strength indicator.

6. The method of claim 5 wherein the received signal strength indicator is defined between −99 dBm and −1 dBm.

7. A system comprising:

a wireless kill switch and a computer;

said wireless kill switch comprising a housing, a radio transmitter, a microcontroller, an operable button, a battery, and firmware sufficient to operate and transmit a signal from said radio transmitter;

said housing encasing the radio transmitter, the microcontroller, and the battery and allowing for operation of the operable button;

said computer comprising software enabled to receive, from a receiver, a transmission from the wireless kill switch;

the firmware of the wireless kill switch performing, together with the software of the computer, a method comprising:

transmitting from the radio transmitter a continuous service signal to be received by a receiver on said computer and a second a distinct transmission of a heartbeat signal generated as a data packet on a first predetermined time basis;

maintaining an authenticated state upon receipt of the both of the continuous service signal at a predefined signal threshold and receipt of the heartbeat signal received within at least a second predetermined time basis; and

performing at the computer an action to modify the computer to a nonauthenticated state upon omission of the continuous service signal at the predefined threshold or omission of the heartbeat signal inside of the second predetermined time basis.

8. The system of claim 7 further comprising wherein the predefined threshold is a user-defined signal threshold wherein the operational state is maintained when the continuous service signal is received at above the user-defined signal threshold, and wherein the user-defined signal threshold corresponds to a measured decibel level from the continuous service signal.

9. The system of claim 7 wherein the first predetermined time basis is between 10 millisecond and 60 seconds and wherein the second predetermined time basis is equal to or longer than the first predetermined time basis.