CLAIMS:

1. An apparatus for controlling parking in [a] an individual parking stall which is individually specifically assigned to an authorized user, the apparatus comprising:

a housing constructed and arranged so as to be mounted at a mounting point adjacent the individual parking stall;

a camera mounted in the housing at the individual parking stall arranged to take images of the parking stall on a constant basis including images of a vehicle when driven by a driver for entering the individual parking stall;

a sound broadcasting device;

the sound broadcasting device being arranged for broadcasting a loud alarm warning signal;

the sound broadcasting device being arranged for broadcasting an verbal audible message to the driver;

at least one proximity or ultrasonic sensor arranged to detect entry of the vehicle into the parking stall;

a reader which is responsive to a remote FOB of an authorized vehicle;

a control system;

the control system including a communication system arranged for communication with the authorized user;

wherein the control system is arranged to communicate to the authorized user to a mobile device using a cellular network;

wherein the control system is arranged to stream live video of the unauthorized vehicle and driver to the authorized user using the communication system;

the control system being arranged so that:

when the presence of the vehicle is detected, the control system is arranged to determine authorized use or unauthorized use by the vehicle;

in response to a determination of unauthorized use, the control device is arranged to emit said warning signal and/or emit said audible verbal message informing the driver that the vehicle is not authorized to use the parking stall;

wherein, after information identifying the unauthorized vehicle is transmitted to the authorized user, the driver of the unauthorized vehicle can choose to pay for parking in the stall and if agreed will receive from the authorized user a signal indicating the unauthorized use is approved;

wherein, in the event that no authorized use is available, the control system provides said audible verbal message to the driver confirming this;

wherein, in the event that no authorized use is available, the control system provides said loud alarm warning signal;

and wherein, in the event that authorized use is available said audible verbal message is provided indicating that the authorized use is approved.

2. The apparatus according to claim 1 wherein, in order to determine authorized use, the device camera has image recognition for the option of programming recognizable images including a license plate.

3. The apparatus according to claim 1 wherein the control system can operate without communicating to the authorized user.

4. The apparatus according to claim 1 wherein the control system is arranged relative to the proximity sensor to determine whether the vehicle has interrupted the sensor briefly, whether the vehicle is stationary and [, or] whether the vehicle is getting closer to the sensor and remains stationary for a time greater than a set time.

5. The apparatus according to claim 1 wherein there are provided LED lights for providing a visible a warning to the unauthorized vehicle.

6. The apparatus according to claim 1 wherein the control system includes a short-range communication system for communication with a smart phone for control and setting and communicates with the driver of the unauthorized vehicle by voice message without using the short-range communication system.

7. The apparatus according to claim 1 wherein the control system is arranged for monitoring a plurality of parking stalls.

8. The apparatus according to claim 1 wherein the control system is arranged to obtain from an authorized handicapped person for example by QR code or other readable symbol that the vehicle approaching is authorised to use a handicap stall.

9. An apparatus for controlling parking in an individual parking stall which is individually specifically assigned to an authorized user, the apparatus comprising:

a housing constructed and arranged so as to be mounted at a mounting point adjacent the individual parking stall;

a camera mounted in the housing at the individual parking stall arranged to take images of the parking stall on a constant basis including images of a vehicle when driven by a driver for entering the individual parking stall;

a sound broadcasting device;

the sound broadcasting device being arranged for broadcasting a loud alarm warning signal;

the sound broadcasting device being arranged for broadcasting an audible verbal message to the driver;

at least one proximity or ultrasonic sensor arranged to detect entry of the vehicle into the parking stall;

a reader which is responsive to a remote FOB of an authorized vehicle;

a control system;

the control system including a communication system arranged for communication with the authorized user;

wherein the control system is arranged to communicate to the authorized user to a mobile device using a cellular network;

wherein the control system is arranged to stream live video of the unauthorized vehicle and driver to the authorized user using the communication system;

the control system being arranged so that:

when the presence of the vehicle is detected, the control system is arranged to determine authorized use or unauthorized use by the vehicle;

in response to a determination of unauthorized use, the control device is arranged to emit said warning signal and/or emit said audible verbal message informing the driver that the vehicle is not authorized to use the parking stall;

wherein, after information identifying the unauthorized vehicle is transmitted to the authorized user, the driver of the unauthorized vehicle can choose to pay for parking in the stall and if agreed will receive from the authorized user a signal indicating the unauthorized use is approved;

wherein, in the event that no authorized use is available, the control system provides said audible verbal message to the driver confirming this;

wherein, in the event that no authorized use is available, the control system provides said loud alarm warning signal;

wherein, in the event that authorized use is available said audible verbal message is provided indicating that the authorized use is approved;

wherein the apparatus is associated with a web site containing information relating to authorized use of the parking stall;

wherein the web site is associated with a plurality of stalls each having an associated control apparatus and wherein the web site contains and provides data to a customer relating to any one or more of the associated stalls where authorized use can be purchased;

wherein the web site is identified and accessed by a machine-readable code visible on the housing;

wherein the web site communicates with the authorized users of a plurality of parking stalls so as to provide input by the authorized users through an

internet connection of data relating to the availability for purchase of each stall and associated times of availability;

wherein the web site contains and provides data to a customer relating to an approved time of authorized use and non-availability of authorized use of one or more stalls.

10. The apparatus according to claim 9 wherein there are provided LED lights for providing a visible a warning to the unauthorized vehicle.

11. The apparatus according to claim 9 wherein the web site communicates with the authorized user through an internet connection to determine whether authorized use is available.

12. The apparatus according to claim 9 wherein the housing has an electrical outlet receptacle built-in.

13. The apparatus according to claim 9 wherein the control system is arranged relative to the proximity sensor to determine whether the vehicle has interrupted the sensor briefly, whether the vehicle is stationary, or whether the vehicle is getting closer to the sensor and remains stationary for a time greater than a set time.

14. The apparatus according to claim 9 wherein the control system includes a short-range communication system for communication with a smart phone for control and setting and communicates with the driver of the unauthorized vehicle by voice message without using the short-range communication system.

15. The apparatus according to claim 9 wherein the control system is arranged for monitoring a plurality of parking stalls.

16. The apparatus according to claim 9 wherein the control system is arranged to obtain from an authorized handicapped person for example by QR code or other readable symbol that the vehicle approaching is authorised to use a handicap stall.

17. An apparatus for controlling parking in an individual parking stall which is individually specifically assigned to an authorized user, the apparatus comprising:

a housing constructed and arranged so as to be mounted at a mounting point adjacent the individual parking stall;

a camera mounted in the housing at the individual parking stall arranged to take images of the parking stall on a constant basis including images of a vehicle when driven by a driver for entering the individual parking stall;

a sound broadcasting device;

the sound broadcasting device being arranged for broadcasting a loud alarm warning signal;

the sound broadcasting device being arranged for broadcasting an audible verbal message to the driver;

at least one proximity or ultrasonic sensor arranged to detect entry of the vehicle into the parking stall;

a reader which is responsive to a remote FOB of an authorized vehicle;

the housing having an electrical outlet receptacle provided;

a control system;

the control system including a communication system arranged for communication with the authorized user;

wherein the control system is arranged to communicate to the authorized user to a mobile device using a cellular network;

wherein the control system is arranged to stream live video of the unauthorized vehicle and driver to the authorized user using the communication system;

the control system being arranged so that:

when the presence of the vehicle is detected, the control system is arranged to determine authorized use or unauthorized use by the vehicle;

in response to a determination of unauthorized use, the control device is arranged to emit said warning signal and/or emit said audible verbal message informing the driver that the vehicle is not authorized to use the parking stall;

wherein, after information identifying the unauthorized vehicle is transmitted to the authorized user, the driver of the unauthorized vehicle can choose to pay for parking in the stall and if agreed will receive from the authorized user a signal indicating the unauthorized use is approved;

wherein, in the event that no authorized use is available, the control system provides said audible verbal message to the driver confirming this;

wherein, in the event that no authorized use is available, the control system provides said loud alarm warning signal;

and wherein, in the event that authorized use is available said audible verbal message is provided indicating that the authorized use is approved.

18. The apparatus according to claim 17 wherein there are provided LED lights for providing a visible a warning to the unauthorized vehicle.

19. The apparatus according to claim 17 wherein the control system is arranged for monitoring a plurality of parking stalls.

20. The apparatus according to claim 17 wherein the control system is arranged to obtain from an authorized handicapped person for example by QR code or other readable symbol that the vehicle approaching is authorised to use a handicap stall.