# clearwater LIGHTS™
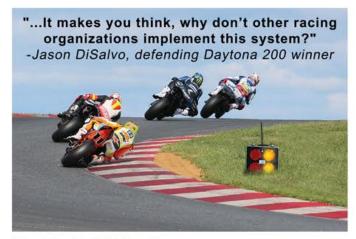
## SAFETY LIGHT SYSTEMS

*Racing is dangerous by its very nature. It has always been and will continue to be dangerous. – But it just got a lot safer!*

"...It makes you think, why don't other racing organizations implement this system?"
-*Jason DiSalvo, defending Daytona 200 winner*

Due to ever increasing speeds in professional and amateur racing, a new system was needed to warn riders of danger on the track. Old fashioned cloth warning flags are often difficult to see during a race situation. While course workers will continue to be needed, a faster and more reliable method will vastly improve safety.

Clearwater has developed a wireless LED warning system for race tracks that allows an operator to remotely activate track-wide lighting signals. Each corner or zone can be addressed as a group or individually. An advanced, code encrypted system protects the track from unauthorized control of the system.

As a software based system, it has the ability to accommodate and control many functions. Multiple uses are possible. Input from many well-known professional racers and race team principles has made this system well accepted and state-of-the-art.

## The Basis Of The System

The basis of the system is a centrally located control tower transmitter that broadcasts a high frequency radio signal to each of the receivers. The receivers may be placed up to 3000' away from the main tower. This signal is a pulsed packet of digital information that tells the receiver which color code to illuminate.

A laptop will control the signals from the control tower or any other chosen location. The laptop will connect to our transmitter (the size of a small paperback book) and then out to the main transmit antenna. The antenna is a simple mast type, about 36" long. Everything is battery powered so no AC lines will be needed. This system may be set up at a venue such as Bonneville or temporary racetracks. Desert races may also be accommodated. A special oval track system is available that can control as few as four or as many as 100 red lights from a single handheld transmitter. No computer is needed for the single color oval track system.

Clearwater offers a cost-effective system that can control four, six, eight or more red signal lights. These lights are totally self-contained and transportable in tough, custom built cases. Each case has a detachable lid and contains all the electronics, battery, antenna and control units.

## How Is Your System Different From Others?

From its inception, the CWLS has been developed to be a modular system that can be modified and updated via software controls.

Countless hours of extensive planning have gone into designing the architecture so that virtually any feature request can be added. The ability to program zones and events into the system simplifies operator use.

**Contact us today to schedule a demonstration.**