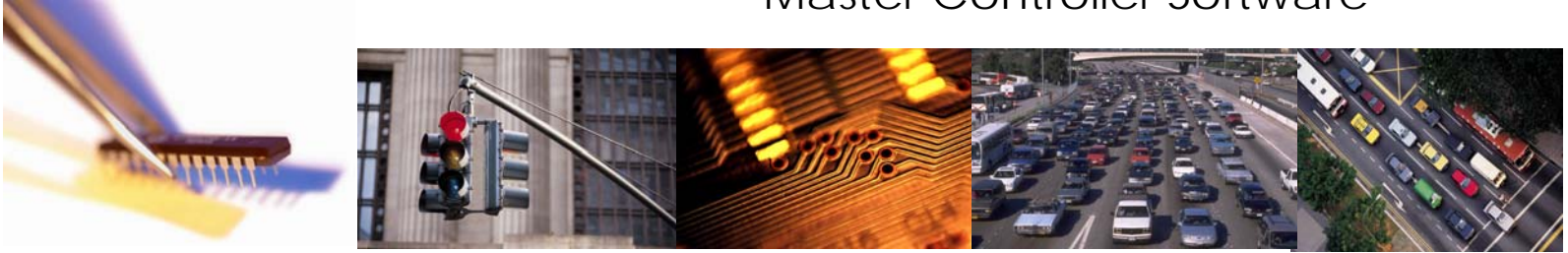


# W7OSM

## Master Controller Software



### DESCRIPTION

W7OSM is an on-street master software program written to be used in a model 170 traffic controller. The W7OSM can control an arterial or network of up to 48 local controllers operating W4IKS and W9FT software.

Coordination can be obtained through any interconnection such as modem, radio, hard-wire, etc. Coordination control can be effected by means of traffic responsive operation due to any changes of volume and occupancy or internal time clock settings. Coordination plans can also be called in by inputs to the master controller.

The W7OSM collects data from all controllers connected to it and log this data. If the master is set to operate in a traffic responsive mode it will react according to user defined parameters and on-street data that it gathers to implement timing plans.

The W7OSM monitors the events of the local controllers connected to it and provides an interface between a remote computer and the local controllers. Logs of control and event data can be stored in the On street Master and sent back to the remote computer when requested.

### FEATURES

- Maintains control and status of 48 local controllers .
- Traffic Responsive Control
- Plan change log
- Event log
- Detector data log
- 32 sampling detectors
- Twenty (20) coordination plans
- Detector Diagnostics
- Eight (8) programmable outputs.

## W4IKS Local Software

### FEATURES - (Continued)

#### Functions on a per Phase Basis:

Vehicle recall (max & min)  
 Ped recall  
 Lock and non-lock detection  
 Lead phases  
 Double entry  
 Sequential timing  
 Exclusive phasing  
 Simultaneous gap  
 Restrictive phasing  
 Rest in walk  
 Advance walk  
 Red rest  
 Volume density (gap reduction)  
 Max phase time  
 Sequential timing phases

#### Timing Intervals per Phase:

Max  
 Max II  
 Min green  
 Passage time  
 Min gap  
 Max initial  
 Yellow  
 Red Clearance  
 Walk  
 Ped Clearance  
 Added initial  
 Time to reduce  
 Time before reduction  
 Red revert  
 Walk II

### Traffic Management Software

W4IKS firmware has been designed to operate with W7OSM, an on-street master program also developed by Wapiti Micro Systems. Both have been developed to communicate with [TrafficView32](#), an advanced Closed Loop Traffic Management System. The purpose is to create a powerful system that allows a Traffic Engineer to fully control & maintain all of his intersections right from his desktop. [TechView](#) is a "Lite" version of TrafficView32 designed for the field technician to upload and download timings in the field. [PocketView](#) is another management tool that allows users to communicate to a controller through a pocket pc instead of a bulky laptop.

[Artery](#), is an advanced program designed to work with TrafficView32 and Wapiti software to aid the traffic engineer in designing optimal flow of traffic.

### GPS Time Update Version

Wapiti has developed a special GPS Time Update version of W4IKS local firmware and W7OSM master firmware for both the 6800 processor and the HC11 processor. This version allows your controllers to connect to a GPS receiver for ultra-accurate time reference.

### HARDWARE

W4IKS will operate on 170 controllers with Motorola 6800 processors & HC11 processors. A new version of W4IKS is now available to work with the 2070L controller, Intelight's SmartCard Processor, SBC Controller, and McCain's Coldfire Controller.

