

INTELIGHT MAXTIME CV

END-TO-END CONNECTED VEHICLE SOLUTION

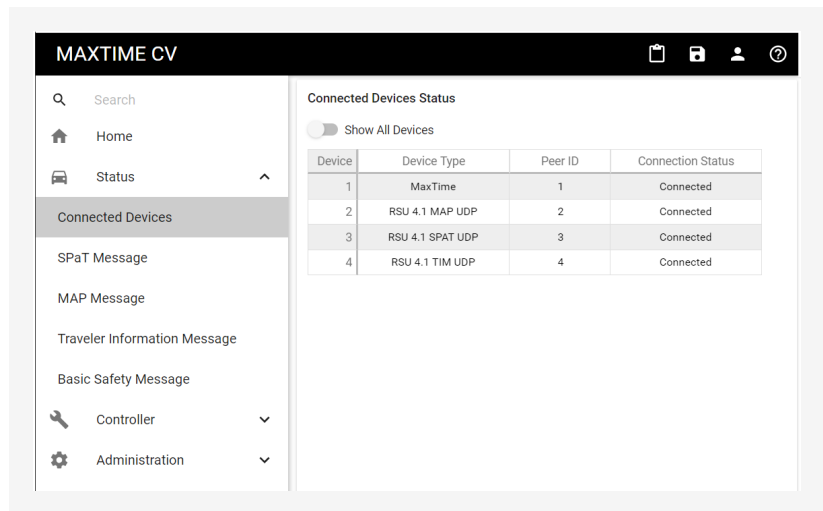
OVERVIEW

Intelight's Connected Vehicle application **MAXTIME CV** is a stand-alone embedded firmware application designed to run on ATC 5.2b or later compliant controller hardware. In addition, by leveraging the Linux kernel and the ATC API Standard v2.06b, MAXTIME CV can run on the same physical ATC engine board as the existing MAXTIME intersection firmware, thereby reducing the overall hardware cost of the connected vehicle deployment.

MAXTIME CV communicates directly with signal firmware using NTCIP 1201, 1202, and 1211 message sets. MAXTIME CV then creates valid J2735 messages (including SPaT, MAP, and SSM) to broadcast on a connected DSRC radio or over the Internet through a connected MAXVIEW CV server.

Intelight's in-car Android/iOS CV App delivers real-time connected vehicle data from MAXVIEW CV (Cellular) or MAXTIME CV (DSRC Radio) and displays real-time information, such as:

- Position and lane tracking
- Time-to-green/red
- Actual and suggested speed
- Preempt/EV notification
- Traveler information messages



MAXTIME CV

- Runs on the same ATC intersection controller as MAXTIME signal controller software
- Uses ATC API specification for shared interface
- Displays in a web browser with rich status and configuration view
- Allows Web-based configuration of MAP data shared across MAXTIME, MAXVIEW, and other apps
- Broadcasts SPaT, MAP, SRM/SSM to connected DSRC or web service
- Connects with a broad set of DSRC radio or external vehicle services
- Enables Connected Vehicle Application Platform
- Supports subset of NTCIP 1202 v.3 connected vehicle objects

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