

INTELIGHT MAXTIME

TRAFFIC SIGNAL CONTROL SOFTWARE - SMART MOBILITY BUILT IN.



◀ Sample MAXTIME home screen which can be displayed on color front panel, tablet or smartphone (shown)

OVERVIEW

Intelight MAXTIME is a Linux-based local control software that goes beyond your standard signal timing tools, offering advanced tools and functionality for smart mobility and the future of connected and autonomous vehicles (CAV).

Execute standard signal timing with ease and master advanced functions without complex logic strings or modified controller operations using the system's intuitive user interface and menu structure.

Every MAXTIME purchase comes with the Intelight Device Manager and free access to the management information bases (MIBs) to reduce maintenance costs, and boost interoperability with third-party solutions.

HIGHLIGHTS



ADVANCED FUNCTIONALITY BUILT IN
Intuitive system provides expanded traffic control functionality based on leading industry standards.



REMOTE DEVICE MANAGEMENT
Web-based app for centrally scheduling software updates for all intersections without a TMS.



TRULY OPEN. TRULY STANDARD
Publicly available MIBs promote interoperability with third parties and smart city applications.



◀ Sample MAXTIME termination report displayed on smartphone (no app required)



UNIQUE FUNCTIONALITY

Just a few of the features that set us apart.

- Intuitive and advanced user logic programming
- On-board web server (no proprietary database editor)
- Monitor and modify timing directly from Windows and Apple-based computers, tablets, or smartphones without special software
- Store and switch between hundreds of timing databases
- Easy, automated software updates via network or USB flash drive (no need for terminal servers or proprietary installer programs)

ADVANCED CONFIGURATIONS

Perform a variety of advanced programming out of the box.

- Peer-to-peer (P2P) communications
- Single-point urban interchange (SPUI)
- Continuous flow intersections (CFI)
- Diverging diamond interchange (DDI)
- Compound intersections with multiple approaches
- Bus and light rail transit (TSP/LRT) applications
- Predictive arrival/departure adjustments
- HAWK/pedestrian hybrid beacons
- Preemption routing

BEYOND THE STANDARDS

At Q-Free, we don't simply build to standards, we believe in the greater goal of *why* they exist—to boost interoperability and reduce reliance on and the expense of single-vendor solutions.

So we made the management information bases (MIBs) that provide necessary information to work with Intelight MAXTIME software available to all; putting transportation agencies, cities, and MPOs back in the driver seat.

To download the MIBs for Intelight MAXTIME, simply visit our website.

Designed for ATC controllers, Intelight MAXTIME is built on a Linux platform based on a rich set of industry standards including NTCIP, NEMA, MUTCD, and FHWA.

Distributed by Traffic Control Products, Inc.

Phone 440.951.8929
Fax 440.951.8203

sales@traffcon.com
www.traffcon.com
4565 Glenbrook Rd, OH 44094

(833) 629-4357
www.intelight-its.com

INTELIGHT IS A Q-FREE BRAND.

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MAINTAIN WITH EASE

Manage and update with the Intelight Device Manager, our web-based app to centrally track and schedule firmware updates.

- Schedule individual or bulk firmware updates
- Run updates without putting intersections in flash
- Schedule updates during low travel times & receive automatic notifications of issues
- Save hundreds of hours of time vs. manual updates
- Protect personnel through reduced time in the field
- No ATMS needed

STANDARD FEATURES & USABILITY

- Linux based
- 128 independently-programmable coordinated or free timing patterns
- Rapid transition times with user-override min/max limits using critical path transition algorithm
- Extended pedestrian features: delayed walk, delayed, green, and alternate walk/FDW timing, advanced handling to over-sized pedestrian times
- Multiple overlap types:
 - NTCIP: types 1 through 3
 - Flashing yellow arrow (FYA)
 - Flashing red arrow (FRA)
 - Protected/permissive Canadian operation
 - LRT bar indications
 - Pedestrian (normal and minus green/yellow)
 - Right-turn with conflicting pedestrian
- Master/slave closed-loop operation
- Advanced phase intervals:
 - Min green 2
 - Pre-green/walk
 - Delay green/walk
 - Pre-clearance
 - Alternate pedestrian times (extended push time)

