



Announcing IQCentral v1.2

Quixote Traffic is pleased to announce the release of Version 1.2 of the IQCentral™ Central System Traffic Management Software. The primary purpose of this release is provide support within IQCentral for communications with the Multisonics 820A traffic controller, the Multisonics OSAM 32 master controller, the Peek 3000E traffic controller, and the Peek M3000E master controller. However, to achieve communications with all of these devices will also required updated firmware for the hardware translators for each of these devices. See the compatibility matrix for details. This release also provides numerous improvements to the user interface of the application, including a new toolbar system.

Product	IQCentral
Version	Version 1.2
Release Date	10/6/06

Product Requirements

This release of the software requires a Windows compatible computer, running Windows 2000 or Windows XP. For all features to work, the system must also have Microsoft Office, version 2000 or version 2003, installed. To connect with field hardware, communications channels to those devices must be available. Devices capable of using the NTCIP protocol natively, such as the Quixote ATC controller, can be connected to IQCentral directly via one of these communications channels. However, each non-NTCIP compatible device that will be connected with IQCentral will also need a piece of hardware, namely an IQConnect® translator unit installed somewhere near the controller in order to interface IQCentral’s NTCIP communications protocol with the device.

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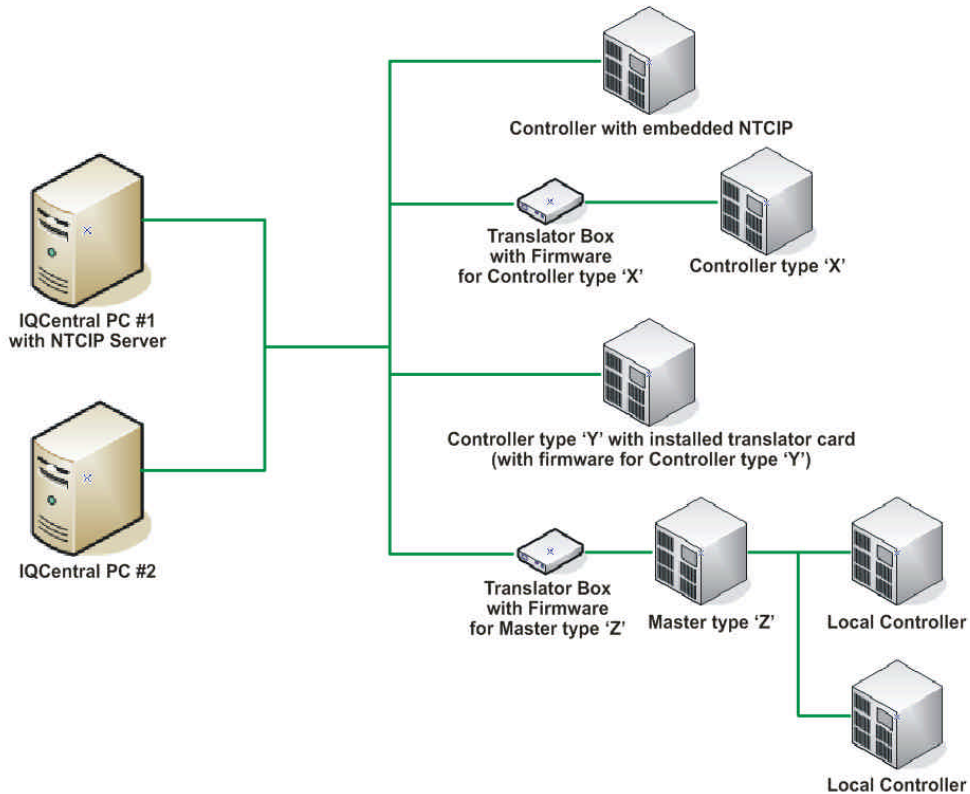
If upgrading from a previous version of IQCentral, it is recommended that you make backup copies of the IQCentral database and associated files, and perform an uninstall of the earlier version of the application, before installing Version 1.2 of the software. For such system updates, additional work on the earlier IQCentral database will be required by a Quixote technician before the updated system can be used.

Compatibility Matrix

This release of Version 1.2 of the IQCentral software will work with the following Quixote Traffic traffic-control products:

Table 1 – IQCentral Version 1.2 Compatibility Matrix

Device	Will work with IQCentral v1.2	Translator Firmware		Controller Firmware Required
		Part #	Version	
IQ ATC Controller (NY CBD version)	Yes	n/a	None*	01-00-0129
IQ ATC Controller (TS2 Type 2 version)	Yes	n/a	None*	01-00-0129
Multisonics 820A OSAM Controller	Yes	97-600	v1.0.1 or higher	Rev K
Multisonics OSAM-32 Master Controller	Yes	97-599	v1.0.1 or higher	v2.22
Peek 3000E Controller	Yes	97-602	v1.0.1 or higher	v3.6.2
Peek M3000E Master Controller	Yes	97-601	v1.0.1 or higher	v2.8.2
Traconex TMM 500 Master Controller	No	97-603	Not yet available	C.O.B
Traconex TMP 390 CJ Controller	No	97-604	Not yet available	V.4.D
Transyt 3800EL Master Controller	No	97-605	Not yet available	v17.4
Transyt 1880 Controller	No	97-606	Not yet available	92 R 09
Peek LMD9200	No	97-607	Not yet available	v7.4.17
Wapiti 170	No	97-608	Not yet available	58A
Cohu NTCIP Camera	Yes	n/a	None*	Any
SSI Weather Station	Yes	n/a	None*	Any
Overhead Sign (NTCIP)	Yes	n/a	None*	Any
RTMS Sensor (NTCIP)	Yes	n/a	None*	Any



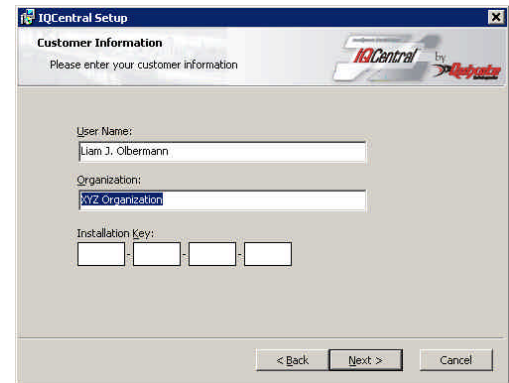
* Devices that speak NTCIP natively, such as the IQ ATC controller, don't need separate translator hardware.

Installation Notes

IQCentral Version 1.2 should not be installed without the guidance of a Quixote Traffic customer support representative. The following procedures describe the basic process to install or upgrade an IQCentral v1.2 system.

Installation Steps

1. On each system where IQCentral will be installed, verify that the operating system is at Windows 2000 or Windows XP. (IQCentral Version 1.2 will not currently operate under Windows Vista.)
2. Verify that a properly licensed version of either Microsoft Office 2000 or 2003 is installed on each system.
3. Locate the license key for IQCentral. This code should have been provided along with the installation CD. If not, contact your Quixote Traffic service representative in order to request a valid license key.
4. Insert the IQCentral installation CD into the CD-ROM drive of the workstation where you want to install the program.
5. If autorun is not configured on this CD-ROM drive, open a Windows Explorer window and navigate to the drive. Locate the **IQCentral.msi** installation program and double-click it. This will launch the installation program.
6. Follow the directions on-screen. You will need to accept the software license in order to install the program. When you get to the Customer Information dialog box, enter the user name, organization, and the valid installation key in the fields. This key will determine whether the BMP or GIS mapping version of IQCentral is installed, as well as which optional modules are installed.
7. If you plan to install to the standard location on the hard drive (C:\Program Files\Quixote Traffic Corp\IQCentral) then choose **Typical** on the next screen. On the other hand, if you wish to install the system somewhere else on your hard drives, choose Custom.
8. If you chose Custom, press the **Browse** button to select the install location for your IQCentral applications. In the tree view in this window, you also have the option to select whether you want the Help system, and the sample database to be installed with the program. (For the first install on the system, be sure to install the sample database.) Press **Next**.
9. Complete the steps in the install until you reach the last screen, then choose the **Finish** button.
10. Restart the system to complete the installation.
11. Repeat the process on each workstation for which you purchased a license.
12. To configure multiple workstations to connect to a single 'IQCentral Server', some work will need to be done configuring the Windows Distributed Communications system. Unfortunately, this process is beyond the scope of this procedure. This process will be done by a Quixote Traffic customer service technician.
13. Once the software is installed and the networked workstations are connected to one another, you will then need to configure the system to suite your needs. This process includes the following steps:
 - Installing the map files for your locale
 - Configure software 'Connections' that link to your physical communications channels
 - Installation of the translator hardware for those field devices that need them
 - Configuration of device instances within IQCentral to act as interfaces to your field devices
 - Assignment of Devices to Connections to complete the link between the central software and the field hardware
 - Placement of Device icons in the appropriate locations on the IQCentral versions of your local maps



New Features

A long list of important new features have been added to IQCentral as part of the Version 1.2 update.

Table 2 – The Version 1.2 release of IQCentral includes these new features

Enhancement	Description
Database support for Peek 3000E controllers	The IQCentral database was modified to accept full controller configuration/setup/status downloads from Peek 3000E controllers.
Database support for Peek M3000E master controllers	The IQCentral database was modified to accept full controller configuration/setup/status downloads from Peek M3000E master controllers.
Database support for Multisonics OSAM 820A controllers	The IQCentral database was modified to accept full controller configuration/setup/status downloads from Multisonics OSAM 820A controllers.
Database support for Multisonics OSAM-32 master controllers	The IQCentral database was modified to accept full controller configuration/setup/status downloads from Multisonics OSAM-32 master controllers.
Interface elements (forms) to interact with Peek 3000E controllers	Windows and forms were added to IQCentral to interact with Peek 3000E controllers
Interface elements (forms) to interact with Peek M3000E master controllers	Windows and forms were added to IQCentral to interact with Peek M3000E master controllers
Interface elements (forms) to interact with Multisonics OSAM 820A controllers	Windows and forms were added to IQCentral to interact with Multisonics OSAM 820A controllers
Interface elements (forms) to interact with Multisonics OSAM-32 master controllers	Windows and forms were added to IQCentral to interact with Multisonics OSAM-32 master controllers
Improved toolbars	A new toolbar system has been created for IQCentral. This includes new, more understandable module icons, and the ability to activate and deactivate each of the functional toolbar groupings. Toolbars can also be moved around the screen, from their normal docked location at the top of the window, to floating free of the IQCentral application window, to docked to one of the other three sides of the application window. And the currently active toolbars, and their current locations, are stored for each user account. When a user logs in again, the toolbars appear just as he or she left them.
Standardized menu system	The menu system has been modified to more closely fit Windows standards, as well as to improve the organizational logic. This has been tested and proven to improve the ease of finding commands within the menus.
Improved traffic control upload/download interface	The interface used to upload and download database elements from traffic controllers and masters has been dramatically improved. This tabbed interface indicates with icons in the tabs when changes exist between the version in memory relative both to the version in the IQCentral database and to the version out in the field device itself. A great deal of work has been done to improve the controls and the reliability of this upload/download interface.
Added log retrieval from Peek and Multisonics controllers and masters	Event and other types of logs can now be downloaded from field traffic control devices. These downloads can be scheduled to occur immediately, or to occur at some time in the future.
New report options	Several new reports can be generated from traffic controller log data.
Updated help system	The IQCentral system has been updated significantly to improve the amount of content provided and the ease of navigation. The help system is still a work in progress.

Enhancement	Description
Improved GIS Map Management environment	The management of GIS maps has been improved slightly in IQCentral v1.2. This includes major reliability improvements to the Map Management and GIS Layers windows, as well as some simple interface enhancements, such as the addition of a distance key displayed on the map view. And the process of importing new GIS data into the GIS Layers window has been greatly improved.
Improved BMP Map Management environment	The Map Management module used for BMP maps has been improved to increase the visible area of the map and to make it easier to add Zoom Areas to a map. All currently defined zoom area boundaries are now displayed on the map, along with a label indicating to what map file each zoom area sends the user.
Improved Map View	The Map View module has been improved to show zoom areas (for BMP mapping systems) and more reliably show saved layer data (for GIS mapping systems.) The ease of use of the controls in this window have also been dramatically improved.
More image file types can be used within IQCentral for map images and intersection elements	Previously, IQCentral would only accept these user-defined graphical elements in the form of .bmp files. Maps, icons and intersection elements can now be loaded from .bmp, .gif, .jpg and .wmf source files.

Issues Addressed in this Release

A great many “reliability improvements” have been included in IQCentral, Version 1.2. However, since this is the first official Quixote release of the IQCentral product, these issues were addressed as part of internal development to the product and were not tracked individually. Beginning with the distribution of Version 1.2 of IQCentral, Quixote Traffic will record and track all customer and support personnel reported issues that are detected in the product.

Additional Guidance on IQCentral

The following additional resources are available for all customers should you have the need for extra guidance concerning the IQCentral software and its use with a variety of hardware.

Documentation

Table 3 — Additional documentation available for IQCentral and related hardware

Document	Part Number
IQCentral Release Notes	99-427
IQCentral Help System	<i>Included with product</i>
IQCentral Operating Manual	<i>Not yet available</i>
Peek 3000E Controller Operating Manual	8204C
Peek 3000E Firmware Release Notes	99-332
Peek M3000E Master Controller Operating Manual	5928
Peek M3000E Master Firmware Release Notes	99-329
Multisonics 820A OSAM Controller Operating Manual	006922
Multisoncs OSAM 32 Master Controller Operating Manual	RM-0891

Technical Support

This contact information will connect you with the IQCentral software technical support staff of Quixote Traffic Corporation, should you require additional help concerning this update.

Quixote Traffic Corporation

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