



ONYXWorks™ Configuration Tool

Installation & Operation Manual

Document 53038 06/01/07	Rev: A
P/N: 53038:A	ECN: 06-053

Documentation Feedback

Your feedback helps us keep our documentation up-to-date and accurate. If you have any comments, you can email us.

Please include the following information:

- Product name and version number (if applicable)
- Manual page number
- Your comment

Send email messages to:

FireSystems.TechPubs@honeywell.com

Please note this email address is for documentation feedback only. If you have any technical issues, please contact Technical Services.

Table of Contents

Section 1 About This Manual	5
1.1: Manual Conventions.....	5
1.1.1: Notes, Cautions, and Warnings.....	5
1.1.2: Procedures.....	5
1.1.3: Referencing Other Documents.....	5
1.2: Related Documentation.....	6
Section 2 Configuration Tool Usage Preparation	7
2.1: About the Configuration Tool.....	7
2.2: Section Overview.....	7
2.3: Configuration Tool Installation.....	8
2.3.1: Configuration Tool Installation Procedure.....	8
2.4: Configuration Tool Operation Descriptions.....	9
2.4.1: About Starting the Configuration Tool.....	9
2.4.2: About Importing a Database to Edit.....	9
2.4.3: About Exiting the Configuration Tool.....	9
2.5: ONYXWorks™ System Database Background Creation.....	10
Section 3 ONYXWorks™ System Database Modification	9
3.1: About Database Modification.....	9
3.1.1: About Database Creation.....	10
3.2: Database Modifications Procedures.....	11
3.3: Database Object Editing.....	13
3.3.1: Section Overview.....	13
3.3.2: About the Edit Object Window.....	14
3.3.3: Screen Title and Background Additions Procedure.....	15
3.3.4: Navigation Icon Addition Procedure.....	17
3.3.5: Macro Button Addition Procedure.....	18
3.3.6: Macro Command Configuration.....	19
3.3.7: Information Label Addition Procedure.....	22
3.3.8: Screen Additions and Point Icon Management Procedure.....	23
3.3.9: Point Icon Addition Procedure.....	24
Section 4 Configuration Tool Functions	27
4.1: Network Configuration.....	27
4.1.1: About Adding an Existing Gateway.....	27
4.1.2: About Adding a New Network Connection.....	28
4.2: System Options Configuration.....	30
4.2.1: Icon Set.....	30
4.2.2: Operating Modes.....	31
4.2.3: Time Server Settings.....	32
4.3: Screen Objects.....	32
4.4: Color and Sound Configuration.....	33
4.4.1: About Color Configuration Settings.....	33
4.4.2: About Sound Configuration Settings.....	34
4.5: Launch Spread Sheet Editor.....	34

Section 1 About This Manual

1.1 Manual Conventions



NOTE: In this document, unless expressly written otherwise, when the term ONYXWorks™ Workstation or Workstation is used those terms refer to the software application and the computer it is installed on as one.

1.1.1 Notes, Cautions, and Warnings

This manual contains notes, cautions, and warnings to alert the reader as follows:



NOTE: Supplemental information for a topic, such as tips and references.



CAUTION: Summary in bold

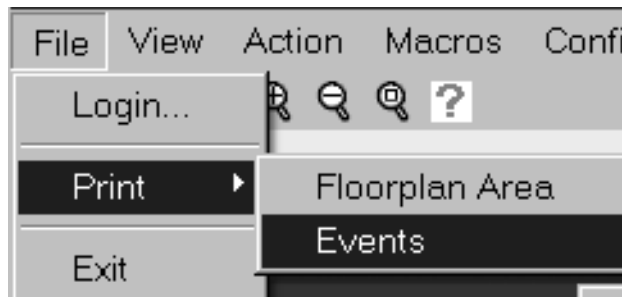
Information about procedures that could cause programming errors, runtime errors, or equipment damage.



WARNING: Summary in bold

Indicates information about procedures that could cause irreversible equipment damage, irreversible loss of programming data or personal injury.

1.1.2 Procedures



Example Text: Main Menu select File >Print >Events.

The graphic above is represented in the Example Text. All selections, fields, buttons, and screen titles are spelled (upper/lower case) exactly as they appear on the display.

1.1.3 Referencing Other Documents

Example: Refer to the ONYXWorks™ *Workstation* manual.

italic text is used to reference a document by its specific name.

1.2 Related Documentation

The following is a list of documentation resources related to the ONYXWorks™ system.

- *ONYXWorks™ Echelon Gateway (P/N 52305)*
- *ONYXWorks™ NFN GW Embedded (P/N 52306)*
- *ONYXWorks™ NFN GW PC (P/N 52307)*
- *ONYXWorks™ Receivers Gateway (P/N 52308)*
- *ONYXWorks™ Routers-Repeaters (P/N 52327)*
- *ONYXWorks™ Workstation Manual (P/N 52342)*



NOTE: The contents of this manual are important and must be kept in close proximity of the Workstation. If building ownership is changed, this manual including all other testing and maintenance information must also be passed to the current owner of the facility. A copy of this manual was shipped with the equipment and is also available from the manufacturer.

Section 2 Configuration Tool Usage Preparation

2.1 About the Configuration Tool

The Configuration Tool is used to customize ONYXWorks™ Workstation's graphical user interface (GUI) to display your building's facilities monitoring system. An authorized event responder will use your customized GUI to identify the location of and respond to an event that Workstation announces.

After modifying a Workstation GUI design with the Configuration Tool verify it is displayed on the Workstation correctly.

2.2 Section Overview

These are the Configuration Tool tasks that are done before you are modify the system's database.

- [“Configuration Tool Installation” on page 8.](#)
- [“Configuration Tool Operation Descriptions” on page 9](#)
- [“ONYXWorks™ System Database Background Creation” on page 10.](#)



NOTE: All procedures are written with the assumption that your PC mouse clicking operations use default settings for left and right mouse clicks.

2.3 Configuration Tool Installation

The Configuration PC that the Configuration Tool will be installed on should meet the following requirements.

- Intel Pentium Processor.
- Windows® 2000 or XP.
- VGA Display Card.
- 1280 x 1024 is the recommended setting for screen resolution.
- CD-ROM Drive.
- 1.0 GHz CPU.
- 512 MB of RAM.
- 5 MB of free hard-disk space.



NOTE: A Configuration PC is defined as a PC that has the Configuration Tool installed on it but is not monitoring a life safety system.



NOTE: You may want to change the resolution of your Configuration PC display settings to 1024 x 768 pixels to match the Workstation's display setting.

2.3.1 Configuration Tool Installation Procedure

Step 1. Insert the CD-ROM in the Configuration PC's CD-ROM drive.

If the CD-ROM does NOT automatically start, use Windows Explorer to locate and start this file: (your CD-ROM Drive letter):\Setup.exe.

Step 2. Perform the on-screen prompts.

Step 3. Remove the CD-ROM.

Rebooting your PC is not required to start using the Configuration Tool.

2.4 Configuration Tool Operation Descriptions

Review this information because the procedure throughout this manual will be written assuming you understand the concepts about operating this software application that is provided here.

2.4.1 About Starting the Configuration Tool

The installation program has added an entry for the Configuration Tool (Windows >Start >Programs >Facilities Monitoring >Configuration Tool).

2.4.2 About Importing a Database to Edit

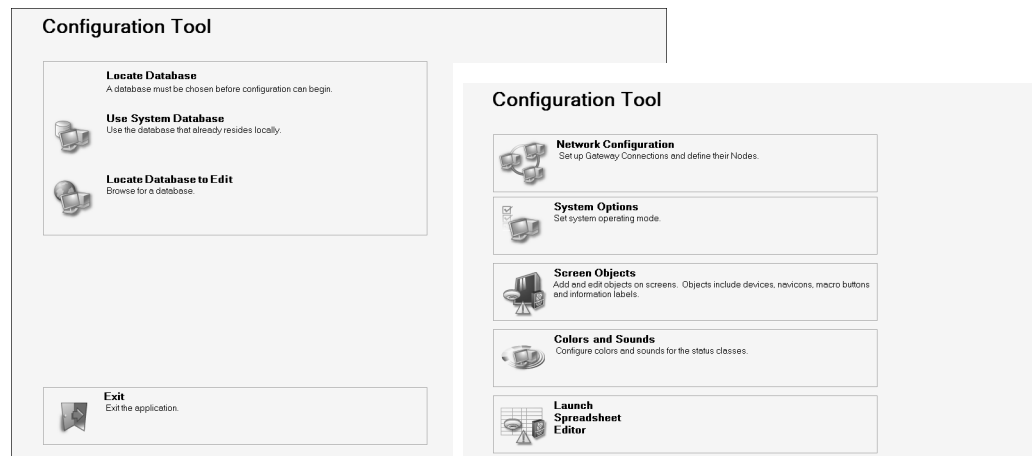


Figure 2.1 Configuration Tool Initial Launch Screen

Use System Data Icon Selection

Only use this function to open and edit the database already resides on the Configuration PC. Refer to [“Database Modifications Procedures” on page 11](#) for more information.

Locate Database to Edit Icon Selection

Only use this function to open a database that reside some place other than the one that currently resides on the Configuration PC. Refer to [“Database Modifications Procedures” on page 11](#) for more information.

2.4.3 About Exiting the Configuration Tool

Exiting is linked with saving in the Configuration Tool when it is running on a Workstation that is monitoring your ONYXWorks™ system. The tool always requires you to exit the application and then respond to the Save changes prompt with a:

- Click on the Yes button to update the database the Workstation will use.
- Click on the No button to NOT update the database the Workstation will use and discard the changes.

About Configuration Tool Main Window Icons

After clicking on its respective icon usually a window displays that has a main menu at the top of the window. Those main menu selection display a list of choices which when selected display a window where you will enter information. After entering information into the window’s fields; all function require a click the OK button to save the changes or the Cancel button to discard the information.

2.5 ONYXWorks™ System Database Background Creation

It is highly recommended that you create graphic background drawings (i.e. floor plans displayed as a background for a system screen) before you start creating the system design with the Configuration Tool. Refer to [“Screen Title and Background Additions Procedure” on page 15](#).

You will need a graphic editing program for creating and or resizing the graphics backgrounds. Use the Configuration Tool to add the raster or vector files that you created or modified using your graphic software application. The better the resolution of the background in the Configuration Tool the better the resolution on Workstation.

The supported graphic formats that can be added as a background are these vector and raster file formats.

Vector Files

Enhanced Metafile Format (EMF) and Windows® Meta Files (.WMF) file types can be imported into the Configuration Tool. Those file types typically degrades less in visual display quality than a raster file.

Raster Files

Bit Map (BMP), Graphic Image Format (GIF), and Joint Photographic Experts (JPG) files types can be imported into the Configuration Tool. However those files types degrade more in visual display quality than a raster file, especially when the Workstation’s zoom functionality.



NOTE: The graphic file that will be imported can NOT have a Read Only attribute.

Section 3 ONYXWorks™ System Database Modification

3.1 About Database Modification

These steps are a suggested method to organize your facilities monitoring system database into a design that will be displayed on a Workstation using the Configuration Tool. Some steps can be performed before others, so their order is not always implicit to completing your new system design.



NOTE: Please familiarized yourself with [“Configuration Tool Usage Preparation”](#) on page 7 before you start these procedures.

A gateway’s node and the node’s points can be manually added and defined with the Configuration Tool, however it is highly recommended that the auto-creating method be used instead. This procedure information is based on the assumption a system monitoring Workstation database was created using an auto-creation process on a Workstation that was monitoring your ONYXWorks™ system. Refer to Workstation manual or [“About Database Creation”](#) on page 10 for more information.

3.1.1 About Database Creation



NOTE: The Workstation must be logged into before any of its settings can be configured. A User that has the Security Option to configure settings needs to login to change an existing setting. The factory defined User “Admin” has such a Security Option. Information in this document is written assuming that a User with the equivalent Security Option of the “Admin” User will be performing the procedures in this document.

A Workstation should be added to the system by the Admin User. For the purposes of this manual, it is assumed that the database that will be modified in Configuration Tool was achieved using the procedures in the Workstation manual. Refer to the Workstation manual for more information on these subjects:

About Adding an Existing Gateway

When the Workstation is first started, an Admin User can connect gateways that are physically connected or available through your ONYXWorks™ system using Network Configuration operation selected in the Configuration Tool.

About Adding a New Network Connection

The Admin User creates a Network name and then adds a gateway. Network Names and gateway connections are created using the Configuration Tool.

About Auto-Creating Node and Points on the Gateway

A gateway’s nodes and the node’s points can be manually added and defined with the Configuration Tool, however it is highly recommended that the auto-creating method be used instead. The auto-creating method captures the node’s exact point ID. It is highly recommended that the database be modified offline and although online modification is possible, the database not be modified while the Workstation is monitoring the ONYXWorks™ system.

There are differences between auto-creating points on a new system versus adding new points to an existing system.

New System Point Auto-Creation Start by configuring gateways with a monitoring Workstation’s version of Configuration Tool. After the gateway is configured exit the Configuration Tool and then save the database. At this time send events for all points on the associated gateway(s) and the Workstation will automatically create points and populate screens with icons. Once the all events for all points have been sent complete, the database can be modified (refer to [“Database Modifications Procedures”](#) on page 11).

Existing System Point Auto-Creation If only a few new points need to be added to an existing system start the monitoring Workstations of the Configuration Tool and use the Tools >Auto-Create Points option. Navigate to the screen where the you want the few new points to be added and then create events on those points. The Configuration Tool will auto-create them and place them in the upper left corner of the graphic display (multiples will be stacked in the upper left corner). Then you can then position them over the background.

3.2 Database Modifications Procedures

Use this procedure as guideline for creating and modifying a database. It is recommended that you use a Configuration PC because of how it is defined. A Configuration PC is defined as a PC that has the Configuration Tool installed on it but is not monitoring a life safety system.

Step I. Database Backup Creation Procedure

On the monitoring Workstation use one of the following procedures to create a copy of the database.

■ Create a Copy of Database on the Workstation with PC Monitor

In this procedure you will create a backup copy of the database and then copy it to an external storage device.

- Step 1. Right click on the monitoring Workstation's PC Monitor and then select Backup System Data... The Browse For Folder window displays.
- Step 2. Browse to a monitoring Workstation folder location and make a new folder (Create New Folder button) to copy the backup files to.



NOTE: It is highly recommend you create a folder because the Backup System Data operation will create several folders and files, so grouping them in that one folder is desirable.

- Step 3. Use Windows Explorer to copy the monitoring folders and files you created in Step 2 to an external storage device (USB flash-drive or CD-ROM).
- Step 4. If necessary copy the folder and files to a read and write external storage device location.
- Step 5. Start the Configuration Tool. A Configuration Tool window displays.
- Step 6. Select the Locate Database to Edit icon. The Synchronize Data window displays.
- Step 7. Click on the Browse button to locate and then open the *.mdb database file in its location.
- Step 8. Click on the OK button. An import window will temporary display and then the Configuration Tool main window will display.
- Step 9. Perform the [“Step II. Database Modification Procedure” on page 12.](#)

■ Create Database On the Configuration PC with the Configuration Tool

In this procedure you will connect the Configuration PC to the same IP network as a Workstation and then import its database.

- Step 1. Connect the Configuration PC to the IP network the monitoring Workstation IP network.
- Step 2. Make the necessary IP settings to the Configuration PC.
- Step 3. Start the Configuration Tool. A Configuration Tool window displays.
- Step 4. Select the Locate Database to Edit icon. The Synchronize Data window displays.
- Step 5. Select a Workstation IP address in the Select System to Import field.
- Step 6. Click on the OK button. An import window will temporary display and then the Configuration Tool main window will display.
- Step 7. Perform the [“Step II. Database Modification Procedure” on page 12.](#)

Step II. Database Modification Procedure

In this procedure you will edit and then save the database.

- Step 1. On the Configuration Tool main window click on the Screen Objects icon. The Screen Object window displays.
- Step 2. Edit the database (refer to the [“Database Object Editing” on page 13](#) for information).
- Step 3. Exit the Configuration Tool and then respond to the Save Changes prompt with a Yes button click to update the database.
- Step 4. Perform the ["Step III. Importing the Modified Database Procedure"](#).

Step III. Importing the Modified Database Procedure

Use the applicable procedure to import your modified database back into the ONYXWorks™ system.

■ Database Import from an External Device

- Step 1. On the Configuration PC right click on its PC Monitor and select Backup System Data... The Browse For Folder window displays.
- Step 2. Browse to a Configuration PC folder location and make a new folder (Create New Folder button) to copy the backup files to.
- Step 3. Use Windows Explorer to copy the folder on the Configuration PC to an external storage device.
- Step 4. Exit all the ONYXWorks™ system software applications that are running on the monitoring Workstation except PC Monitor.
- Step 5. Right click on the monitoring Workstation's PC Monitor icon and select Login.
- Step 6. Select a User and type in their password (Admin = admin).
- Step 7. Right click on the monitoring Workstation's PC Monitor icon and then select Restore System Data... from the list of choices. The Browse for Folder window displays.
- Step 8. Use the Browse for Folder window's browse capability to located the folder on the external storage device that contains the backup files and select it.
- Step 9. Click on the OK button. The edited files are installed on the monitoring Workstation.
- Step 10. Restart monitoring Workstation and all of its relative the ONYXWorks™ system software applications.
- Step 11. Verify your modified database displays correctly.
- Step 12. You have completed ["Database Modifications Procedures"](#).

■ Database Import from a Configuration PC

- Step 1. Connect the Configuration PC to the IP network the monitoring Workstation IP network.
- Step 2. Start the Configuration PC's version of the PC Monitor.
- Step 3. Export/Import the Database.
 - Right click on the PC Monitor icon and then select Export System Data to all Workstations from the list of choices.
 - Use the monitoring Workstation's version of PC Monitor to Import System Data operation (select the Configuration PC's IP address).
- Step 4. Go to a monitoring Workstation and verify your modified database display correctly.
- Step 5. You have completed ["Database Modifications Procedures"](#).

3.3 Database Object Editing

3.3.1 Section Overview

Here is a list of the information in this section.

- “About the Edit Object Window” on page 14.
- “Screen Title and Background Additions Procedure” on page 15.
- “Navigation Icon Addition Procedure” on page 17.
- “Macro Button Addition Procedure” on page 18.
- “Macro Command Configuration” on page 19
- “Information Label Addition Procedure” on page 22.
- “Screen Additions and Point Icon Management Procedure” on page 23.
- “Point Icon Addition Procedure” on page 24.



NOTE: After completing any procedure in this section you can select Main Menu >Exit and you will be returned to the Configuration Tool main window.

3.3.2 About the Edit Object Window

The procedures in this section refer to the Configuration Tool’s Edit Object window areas as indicated in the figure.

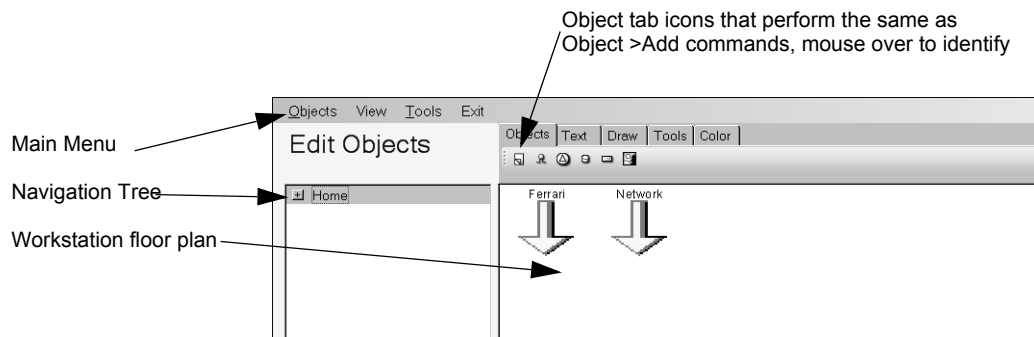


Figure 3.1 Edit Objects Window

About Tools Menu

■ Autocreate Points

This function is accessed through the Tools menu on the Edit Objects window. Select (checked) it when you are only be adding a few new devices to an already existing system. Here is the usage scenario:

1. You start the Configuration Tool.
2. You navigate to the screen where they want the point to locate on.
3. You check Autocreate Points
4. You work with others to create an off normal event in the point so it will report the event to the Workstation and the points icon will be added to screen.
5. Then you position the icon over the floor plan background.

This feature is not intended to be used for example, a loop with 300+ points, because it will place all the icons you add in the top left corner of the screen, stacked on top of each other.

■ Macro Editor

Refer to [“Macro Command Configuration” on page 19](#) for information.

About the View Menu

This menu allows you to make a choice of whether to either Show Alias (names entered into Title and Caption fields) or Show Address (the point’s ID) for its respective icon in the Workstation floor plan area.

Graphics Additions to a Screen

The Configuration Tool includes a number of tools for creating vector-based graphics that will only can be reside on the screen that they are added to. All of the tools are accessed through its respective tab on Edit Objects window. These operations accessed through the icon menus are basically self explanatory and it is best they experimented with. They operation associated to the tab’s icons can be identify by a mouse over...



Figure 3.2 Edit Objects Tabs

3.3.3 Screen Title and Background Additions Procedure

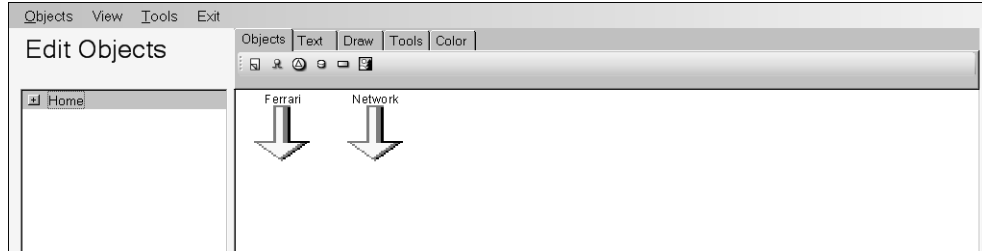


Figure 3.3 Edit Objects Window

- Step 1. On the Configuration Tool main window click on the Screen Objects icon. The Edit Object window displays.
- Step 2. Expand the Home plus sign in the Navigation Tree.
- Step 3. Continue to expand the levels in the tree until you display a screen entry.
- Step 4. Right click on the screen name and then select Properties from the list of choices. The Screen Properties window displays.
- Step 5. Type in a name for the screen in the Title field.
- Step 6. Select a Background for the screen.
 - a. Click on the Select button in the Background area of the window. An Open window displays.
 - b. Use the Open window to browse to and then double click on the file to use as floor plan background for the screen. The background displays in the Background Preview area.
- Step 7. Click on the OK button. The Title displays in the Navigation Tree and the background displays in the Workstation floor plan area.

If you want to delete an existing background select the screen, right click on it for its properties, and then click on the Background Clear button.
- Step 8. Repeat the steps in this procedure until you have named and added the backgrounds for the desired screens. At this time it is recommend you do icon positioning and screen arranging, refer to ["About Point Icons Locations and Screen Arrangement"](#).
- Step 9. You might now want to perform the ["Navigation Icon Addition Procedure"](#) on page 17.

About Point Icons Locations and Screen Arrangement

After you have named the screen and selected its background for the screen(s) created during the auto-creation process, you should position all the point icons in their correct position over the screen's floor plan background. In the Workstation floor plan area use a mouse drag and drop method to position the icon. Repeat the drag and drop method for all point icons on the screen.

At anytime you can rearrange screens, making one screen a child of another screen, or promoting a child screen to a parent screen. Any screen with a child screen is considered a parent screen, a parent screen can many child screens.

- You can use a drag and drop method. This method is also used to modify child screens hierarchy below its parent screen.
 - Step 1. In the Navigation Tree click on and drag the screen.
 - Step 2. Release the mouse button when a line displays above the screen that the screen will be located below. The Navigation Tree updates and the screen is displayed as a child of the parent screen.
 - Step 3. Repeat until the desire hierarchy is achieved.
- You can assign a screen a different parent using the Screen Properties.
 - Step 1. In the Navigation Tree right click on screen you want to make a child of another screen and then select Properties from the list of choices. The Screen Properties window displays.
 - Step 2. In the Select Screen Parent tree select screen you want the screen to be a child of.
 - Step 3. Click on the OK button. The Navigation Tree updates and the screen is displayed as a child of the parent screen.
 - Step 4. Repeat until the desire hierarchy is achieved.

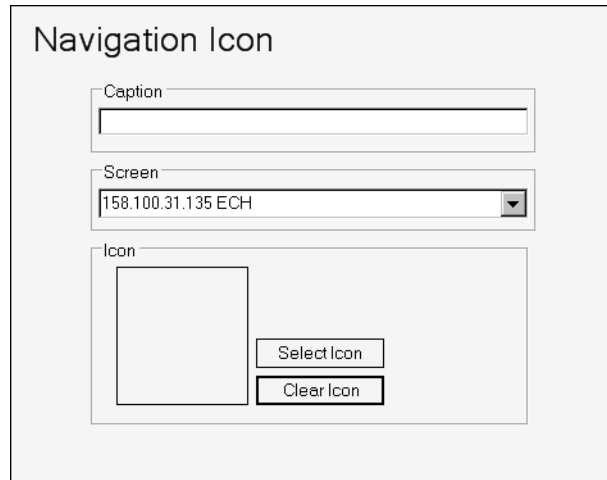


NOTE: If you relocate a screen into an incorrect position in the Navigation Tree you must move it again (no undo command is available).

Parent >Child Hierarchy Limitation There are six levels that can be used.

- ☐ Home
 - ☐ Screen level 1
 - ☐ Screen level 2
 - ☐ Screen level 3
 - ☐ Screen level 4
 - ☐ Screen level 5

3.3.4 Navigation Icon Addition Procedure



The screenshot shows a dialog box titled "Navigation Icon". It contains three sections: "Caption" with a text input field, "Screen" with a dropdown menu showing "158.100.31.135 ECH", and "Icon" with a large empty square area and two buttons labeled "Select Icon" and "Clear Icon".

Figure 3.4 Navigation Icon Window

- Step 1. In the Navigation Tree select the screen from the alphabetical listing to add the Navigation Icon on.
- Step 2. From the Edit Objects window's main menu select Objects >Add >Navigation Icon. The Navigation Icon window displays.
- Step 3. Type in a caption for the Navigation Icon in the Caption field.
- Step 4. Select a graphic to represent the Navigation Icon.
 - a. Click on the Select button in the Icon area of the window. An Open window displays.
 - b. Use the Open window to browse to and then double click on the file to represent the Navigation Icon. The icon displays in the icon preview area.
- Step 5. Click on the OK button. The typed caption and the icon display in the Workstation floor plan area.
- Step 6. Repeat the steps in the procedure until you have added all of your desired icons.
- Step 7. You might now want to perform the [“Macro Button Addition Procedure”](#) on page 18.

3.3.5 Macro Button Addition Procedure



NOTE: You should have created the macro command to execute before adding a Macro Button icon. Refer to the [“Macro Command Configuration” on page 19](#) about creating choices that will be displayed in the Macro to Execute field.

The screenshot shows a dialog box titled "Macro Button". It has three main sections: "Caption" with a text input field, "Macro to Execute" with a dropdown menu, and "Icon" with a large preview area, a "Select Icon" button, and a "Clear Icon" button. At the bottom right are "OK" and "Cancel" buttons.

Figure 3.5 Macro Button Window

- Step 1. Create the macro command to execute so it will display in the Macro to Execute field (refer to [“Macro Command Configuration” on page 19](#) for information).
- Step 2. In the Navigation Tree select the screen to add the Macro Button on.
- Step 3. From the Edit Objects window’s main menu select Objects >Add >Macro Button. The Navigation Icon window displays.
- Step 4. Type in a caption for the Macro Button in the Caption field.
- Step 5. Select a graphic to represent the Macro Button.
 - a. Click on the Select button in the Icon area of the window. An Open window displays.
 - b. Use the Open window to browse to and then double click on the file to represent the Macro Button. The icon displays in the icon preview area.
- Step 6. Click on the Macro to Execute fields down arrow and select a previously defined macro from the list of choices (refer to [“Macro Command Configuration” on page 19](#) for information).
- Step 7. Click on the OK button. The typed caption and the icon display in the Workstation floor plan area.
- Step 8. Repeat the steps in the procedure until you have added all of your desired icons.
- Step 9. You might now want to perform the [“Information Label Addition Procedure” on page 22](#).

3.3.6 Macro Command Configuration



NOTE: Creating these settings is optional and they do not need to be made for the Workstation to function properly.

About Macro Commands



NOTE: Macros can only be edited at a Workstation when another Workstation is not editing them.

Macro commands have interdependent relationship that is established by the Admin User. Macro Commands are created using the Configuration Tool which is launched from Workstation's main menu; Configure >Launch Configuration Tool. Any selection made here are saved when you exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click.

Macro are created and edited on the Screen Objects window (Screen Objects icon). You access the Macro Editor function in Tools menu; Tools >Macro Editor. A Macro command is created and defined, then it is activated in one of two ways.

- A macro icon may be created in the graphics display, when clicked on the associated macro will activate.
- The Workstation will display a Macros menu item when there are any configured macros on the system and a User logged in has the Security Option and Point Control.

The Admin User creates a Macro command by naming it and assigning it a Macro command. That Macro command's Menu list of choices will be contingent on the gateway type, point, and node type that is selected.

Macro Creation and Management

The Macro List and Macro Options areas have icons (with mouse over hints) that are used to create and or manage macros. Mouse over them to display the hint about which operation each performs.

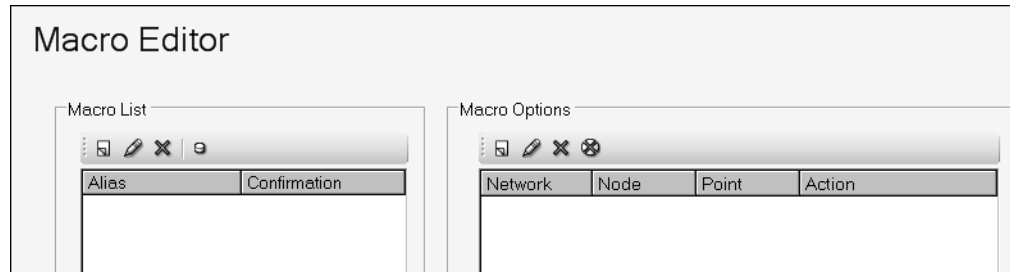


Figure 3.6 Macro Editor Window

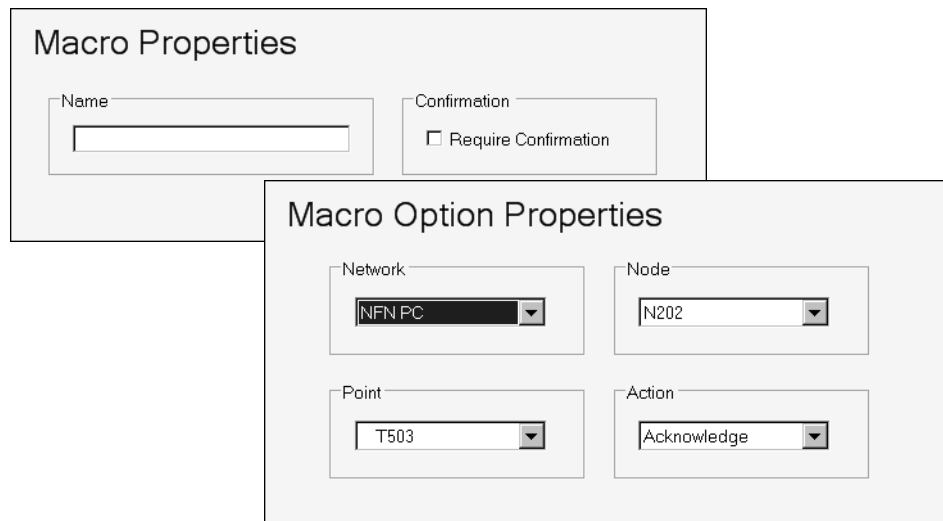


Figure 3.7 Macro Properties Windows

■ Macro Creation Procedure

- Step 1. Click on the Add Macro icon (mouse over). The Macro Properties window displays.
- Step 2. Type in a name in the Name field.
- Step 3. Check the Confirmation field if applicable.



NOTE: This selection means a prompt will be displayed providing you the opportunity to cancel activating the macro.

- Step 4. Click on the OK button.
- Step 5. Click on to add new option (mouse over) icon. The Macro Option Properties window displays.
- Step 6. Set up the Macro's options
 - a. Select a Network.
 - b. Select a Node.
 - c. Select a Point.
 - d. Select an Action.
 - e. Click the OK button.
- Step 7. Click on the Close button.

■ Macro Button Creation Procedure

Macro Buttons are created using the Configuration Tool which is launched from Workstation's main menu; Configure >Launch Configuration Tool.

Macro buttons are created and edited on the Screen Objects window (Screen Objects icon). You access the Macro Button function in Objects menu; Add >Macro Button.

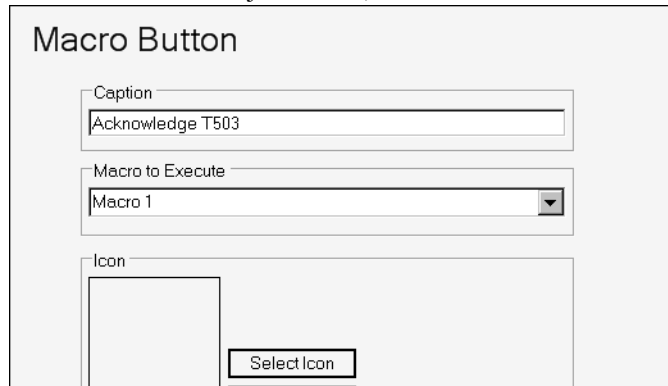


Figure 3.8 Macro Button Window

- Step 1. Type in the text you want displayed for the button in the Caption field.
- Step 2. Select a Macro to Execute from the list of macro previously defined using the field's down arrow.
- Step 3. Chose an icon to use for the Macro button.
 - a. Click on the Select Icon button. A Window Explorer window displays.
 - b. Select the icon from the Buttons folder.
 - c. Click on the Open button. The icon displays in the Icon area.
- Step 4. Click on the OK button to complete the entry.
- Step 5. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the Workstation with the information created in this procedure.

3.3.7 Information Label Addition Procedure

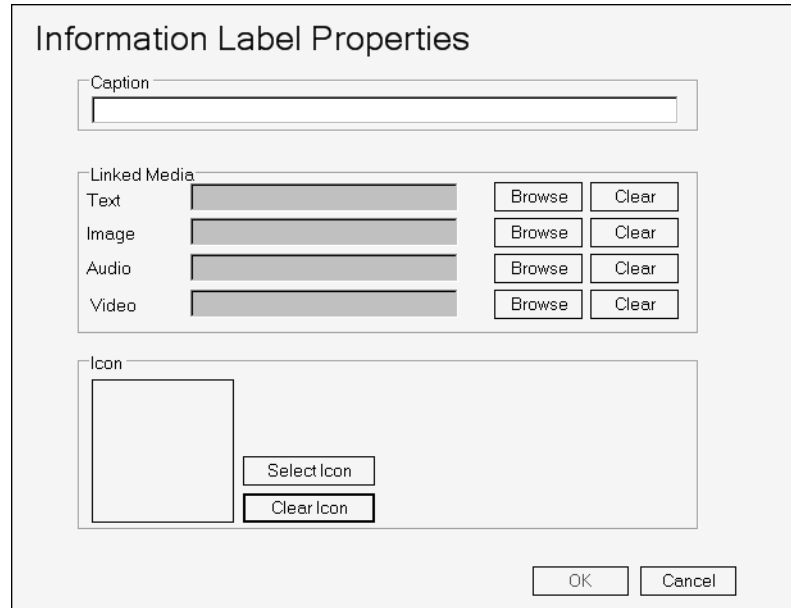


Figure 3.9 Information Label Properties Window

- Step 1. In the Navigation Tree select the screen to add the Information Label on.
- Step 2. From the Edit Objects window's main menu select Objects >Add >Information Label. The Information Label Properties window displays.
- Step 3. Type in a caption for the Information Label in the Caption field.
- Step 4. Select a graphic to represent the Information Label.
 - a. Click on the Select button in the Icon area of the window. An Open window displays.
 - b. Use the Open window to browse to and then double click on the file to represent the Information Label. The icon displays in the icon preview area.
- Step 5. Select a Linked Media for the Information label (refer to "[About Supported Linked Media Formats](#)")
 - a. Click on the Browse button associated with the Linked Media type. An Open window displays.
 - b. Use the Open window to browse to and then double click on the media type that is supported for the field. The name of the file displays in the Linked Media field.
- Step 6. Click on the OK button. The typed caption and the selected icon display in the Workstation floor plan area.
- Step 7. Repeat the steps in the procedure until you have added all of your desired icons.
- Step 8. You might now want to perform the "[Macro Button Addition Procedure](#)" on page 18.

About Supported Linked Media Formats

When any of these file types are linked to a point they can be displayed or activated by selecting them from a point's right click options menu. Points with linked files are identified with an asterisk next to the point's icon. These are the types of files that can be used and their correspond to the field on the window.

- Text - *.txt or *.rtf file.
- Image - *.bmp, *.jpg, *.gif, or *.wmf file.
- Audio - *.wav file.
- Video - *.avi file.

3.3.8 Screen Additions and Point Icon Management Procedure

You may want to add a screen. For example the auto-creation process randomly added point icons to screens and since only 64 point icons can be added to one screen, your auto-creation process might have exceeded 64 points so it created another screen. Therefore you may not have the screen hierarchy you desire and or the desired point groupings on those screens.

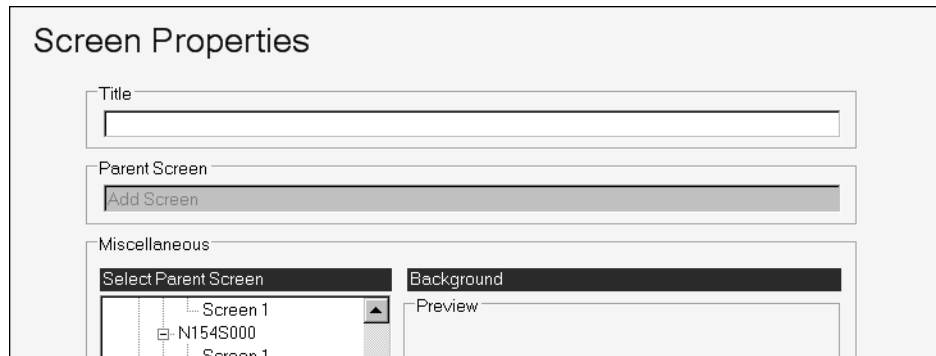


Figure 3.10 Screen Properties Window

- Step 1. In the Navigation Tree select the screen you want to add the new screen below.
- Step 2. From the Edit Objects window's main menu select Objects >Add >Screen. The Screen Properties window displays.
- Step 3. Type in a name for the screen in the Title field.
- Step 4. Select a Background for the screen.
 - a. Click on the Select button in the Background area of the window. An Open window displays.
 - b. Use the Open window to browse to and then double click on the file to use as floor plan background for the screen. The background displays in the Background Preview area.
- Step 5. Click on the OK button. The Title displays in the Navigation Tree and the background displays in the Workstation floor plan area.
- Step 6. Select the screen that has the point icons that will be copied to it.
- Step 7. Click on the point icon or press and hold the Ctrl key and select multiple icons.
- Step 8. Right click on a point icon and select Cut from the list of choices.
- Step 9. Right click on the screen that you paste the point icons onto and then select Paste from the list of choices. The point icons display in the Workstation floor plan area.
- Step 10. Position the point icon over the floor plan background.
- Step 11. Repeat the steps until you achieve the desired point icon to screen locations.

3.3.9 Point Icon Addition Procedure

You may want to add a point icon. For example you have already modified the system database after the auto-creation process and you just want to manually add a new point icon to a specific screen using the Configuration Tool on a Workstation that is monitoring your ONYXWorks™ system.

The screenshot shows a 'Point Properties' dialog box with the following fields and controls:

- Icon:** An empty rectangular box.
- Network:** A dropdown menu.
- Node:** A dropdown menu.
- Point:** A text input field.
- Point Alias:** A text input field.
- Point Description:** A text input field.
- Note:** A text block stating: "Note: If the system is configured for panel extraction of descriptions, this description will be replaced with descriptions in the panel for this point as the points report in over the network."
- Autonavigate:** Radio buttons for 'Yes' and 'No', with 'No' selected.
- Category:** A dropdown menu showing 'Other'.
- Type:** A dropdown menu showing 'Device Type Unavailable'.
- Buttons:** 'OK', 'Cancel', and '>' buttons at the bottom right.

Figure 3.11 Point Properties Window

- Step 1. In the Navigation Tree select the screen you want to add the new point icon on.
- Step 2. From the Edit Objects window's main menu select Objects >Add >Point. The Screen Properties window displays.
- Step 3. Type in a name for the icon in the Point Alias field.
- Step 4. Type in a description for the icon in the Point Description field.
- Step 5. Click on the Network fields down arrow and select a previously defined network from the list of choices. The Node field displays information.
- Step 6. Click on the Node fields down arrow and select a previously defined Node from the list of choices.
- Step 7. Type in the exact point ID in the Point field.
- Step 8. Select whether to Autonavigate on the point if an off normal event occurs for it.
- Step 9. Click on the Category fields down arrow and select a previously defined Category from the list of choices.
- Step 10. Click on the Type fields down arrow and select a previously defined Type from the list of choices.
- Step 11. Click on the OK button. The Point Icon displays in the Navigation Tree and in the Workstation floor plan area.
- Step 12. Repeat the steps until you added all the desired point icons.

About a Point's Icon and Linked Media Selection

A point's icon, the image that represents it when it is displayed on the Workstation, can be changed using Configuration Tool functionality. A point's linked media, a file that can be automatically displayed or sounded for the point's condition upon auto-navigation can be added too. The flexibility in the Configuration Tool allows you to select a different icon for every condition of the point ((i.e. normal, alarm, pre-alarm, security, supervisory, trouble, disable, or other). You can associate text, image, audio, video linked media files to the point's individual condition too. You need to display the conditions portion of the window by clicking on the arrow button adjacent to the Cancel button.

You can select one icon that will be displayed for all the point's conditions. When a condition is reported the same icon will display on the Workstation in the defined color for the condition (same icon, defined condition's color).

You can vary the point's icon for every condition. When a condition is reported the varying icon will display on the Workstation in the defined color for the condition (different icon, defined condition's color).

You can select link media files for each of the point's conditions but you can only AutoActivate one linked media per condition (radio button) or None of them. To set a point's linked media to the same setting for all, use the Browse button for the applicable field and select a file, and then click on the Apply To All button. The same linked media file will displays for all the conditions. Then you can use the Up/Down arrows to scroll through the conditions and modify the usage of the AutoActivate selection.

The screenshot shows the 'Point Properties' dialog box. On the left, there are fields for 'Icon' (with a preview of a detector icon), 'Network' (Network 1), 'Node' (Node 131.100.31.135 ECH [131.100.3]), 'Point' (IN1), 'Point Alias', 'Point Description', 'Autonavigate' (Yes selected), 'Category' (GeneralIO), and 'Type' (Generic Control Output). On the right, there are three tabs: 'Icon', 'AutoActivate', and 'File Name'. The 'Icon' tab is active, showing three conditions: 'Normal', 'Fire', and 'PreAlarm'. Each condition has a radio button for 'Text', 'Image', 'Audio', or 'Video', and a 'None' option. There are 'Browse' and 'Clear' buttons for each radio button, and an 'Apply To All' button at the bottom of each condition's section. The 'Normal' condition has 'None' selected. The 'Fire' and 'PreAlarm' conditions have 'Image' selected. At the bottom of the dialog are 'OK', 'Cancel', and '<' buttons.

Figure 3.12 Point Properties Icon and Media File Assignment

■ Point Icon Selection

C:\FacilitiesMonitoring\Data\Configuration Tool\System\Devices folder contains images files (used for devices such as detectors) and is the folder that displays when you click the Select Icon button. The Clear button will remove the current icon usage.

■ Point Linked Media Selection

Text Selection C:\FacilitiesMonitoring\Data\Configuration Tool\System\Documents folder contains example text files and is the folder that displays when you click the Browse button adjacent to the radio button's field.

Image Selection C:\FacilitiesMonitoring\Data\Configuration Tool\System\Images folder contains images files (not used for devices such as detectors) and is the folder that displays when you click the Browse button adjacent to the radio button's field.

Audio Selection C:\FacilitiesMonitoring\Data\Configuration Tool\System\Sounds folder contains sound files and is the folder that displays when you click the Browse button adjacent to the radio button's field.

Video Selection C:\FacilitiesMonitoring\Data\Configuration Tool\System\Videos folder contains an example video file and is the folder that displays when you click the Browse button adjacent to the radio button's field.

Section 4 Configuration Tool Functions

4.1 Network Configuration

An Admin User you can use an automated method to establish a connection to your network if you are adding the Workstation to an existing ONYXWorks™ system.

4.1.1 About Adding an Existing Gateway

When you first start the Workstation you can automatically connect gateways that are physically connected or available through your ONYXWorks™ system to the Workstation using PC Monitor operations.

Existing Network Connection Procedure

- Step 1. Log into the Workstation (Admin = admin).
- Step 2. Locate and right click on the PC Monitor icon in the Windows system tray and then select Import System Data... from the list of choices. The Select System To Import From window displays.
- Step 3. Select an entry from the list of choices and then click on the OK button.

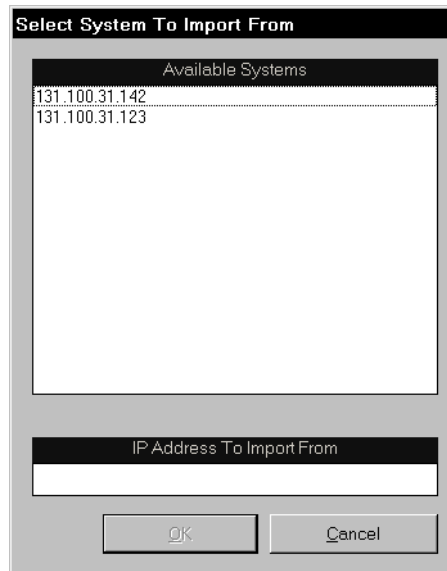


Figure 4.1 Select System To Import From Window

4.1.2 About Adding a New Network Connection

The Admin User creates a Network name and then adds a gateway. Network Names and gateway connections are created using the Configuration Tool. The Configuration Tool is launched from Workstation's main menu.

New Network Connection Procedure

- Step 1. Start the Workstation software application (Start >All Programs >Facilities Monitoring >Workstation). The Workstation software applications starts.
- Step 2. Login to the Workstation (Admin = admin).
- Step 3. Launch the Configuration Tool from the Workstation's Main Menu (select Configure >Launch Configuration Tool). The Network Configuration window displays.
- Step 4. Select Network >Add Network... The Network Properties window displays.
- Step 5. Type in the network's name into the Alias field.
- Step 6. Select the Type down arrow and select the type of network from the list of choices.
- Step 7. Click on the Gateway Connection field's Add Gateway icon (mouse over). The Gateway Properties window displays.
- Step 8. Add the gateway using one of the following:
 - Type in the Gateway's IP Address.
 - Select a gateway from the list of Online Gateways.

The list of online gateways is filtered for the type of gateway selected in the Online Gateway field. For example, if you are adding an NFN gateway, you would select NFN as the type, then only the addresses of NFN gateways running on the system will be display in the list.
- Step 9. Request nodes to added to Network.
 - a. Expand the Navigation Tree to display the gateway's IP address.
 - b. Right click on the IP address and then select Request Nodes from the list of choices.

The tree will populate and display all the nodes configured on that network.
- Step 10. Click on the OK button.
- Step 11. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the Workstation with the information created in this procedure.

Network Right Click Commands

In the Navigation Tree you can right click on a Network name and select these commands from the list of choices.

■ Add Node

Use this command to add a Node to your network. You will need to select the Node Type from a list of choices and type in the IP address of that node.

■ Import Database

Use this command to import a Verifire database. A Verifire database can be located and then selected, any nodes and points in that are in the database will be auto-created on the Network.

■ Rename

Use this operation to type in a new name for the Network which is the equivalent of replacing the Network Alias on the Properties window.

■ Delete

Use this command to delete the Network, a confirmation prompt will display allowing you to cancel the command.

■ Properties

Use this to add a redundant gateway to the Network, adding two gateways to one Network will set up gateway redundancy. You can also change the Network Alias name on this Network Properties window.

4.2 System Options Configuration



NOTE: All Workstations have a System Options selection preset according to the type of Workstation ordered.

4.2.1 Icon Set

Icon Set Selection

- Step 1. Check the Update Icons checkbox to activate the Icon Set field.
- Step 2. Click on the Icon Set field's down arrow to display a list of icon choices.
- Step 3. Click on the OK button.
- Step 4. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the Workstation with the information created in this procedure.



NOTE: The previously selected Icon Set does not display in the Icon Set field. The default IconSet3D displayed as grayed out.

Custom Icon Creation and Selection

If you create and then load a custom icon set and it is missing required icons (i.e. smoke detector) then the points that require that type of icon will not be displayed. To avoid this undesirable behavior do the following.

- Step 1. Create your custom icons with your graphic software application (256 x 256 PNG file formats highly recommended).
- Step 2. Auto-create your points on the Workstation (refer to [“Auto-Create Gateway Point IDs” on page 37](#)).
- Step 3. Copy and paste your custom icons into the appropriate C:\FacilitiesMonitoring\Data\System folder on the Workstation:
 - Devices - for auto-created points
 - Buttons - for Macro Buttons
 - Images - for hazard, information icons, etc.
- Step 4. Launch the Configuration Tool and then edit the data base (refer to [“Workstation Database Modifications” on page 38](#)).
 - Use the Configuration Tool's Point Properties to modify the point's icon. Refer to Configuration Tool manual for more information.
 - Use the Configuration Tool's spread sheet operation:
 - Find and select the existing icon that will be replaced by your custom icon.
 - Use the spread sheet's Explorer function to locate and then select the custom icon from the folder you pasted it into.
 - Replace one of the existing icon names with the custom icon name.
 - Copy the spread sheet cell and copy and paste it into the cells containing the name of the existing icon.
 - Save the spread sheet and close the window.
- Step 5. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the Workstation with the information created in this procedure.

4.2.2 Operating Modes



NOTE: The Workstation mode and the a NFN gateway must be set to the same mode.

■ Supervising Station

This operation is considered to be relevant to Workstation operation so you should refer to the Workstation manual.

■ FCC and FCC+DCC

This operation is considered to be relevant to Workstation operation so you should refer to the Workstation manual.



NOTE: You can only select the FCC and FCC+DCC modes if you only have one NFN gateway connected to the Workstation. Those modes are not available with multiple NFN gateways or if any other type of gateway is configured for your system.

4.2.3 Time Server Settings



NOTE: If the Workstation's Windows time zones or daylight saving settings are changed, all the ONYXWorks™ applications must be restarted.

This field is used to type in the IP address of the server that will be used to dictate time for the ONYXWorks™ system time.

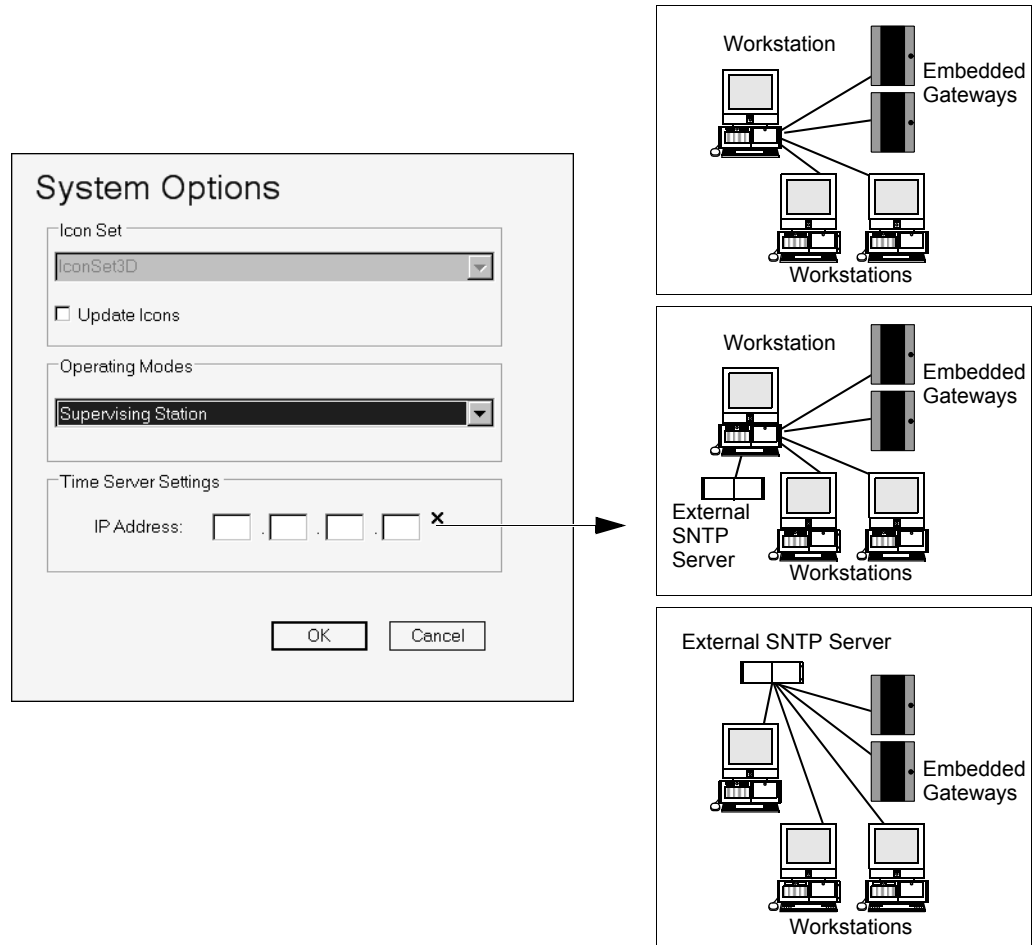


Figure 4.2 System Options Window

4.3 Screen Objects

Refer to [“Database Object Editing” on page 13](#) for information.

4.4 Color and Sound Configuration



NOTE: Making these settings is optional and they do not need to be made for the Workstation to function properly.

Custom colors and custom sounds for different event types are created using the Configuration Tool.



NOTE: Multiple Workstation systems will require a color change be made to each Workstation if the desired color change is needed for every Workstation.

4.4.1 About Color Configuration Settings

The color configuration function allows the point icons, alarm summary icons, and alarm indicator in the navigation to display custom colors on all Workstation in the system not just the Workstation where the color change was defined. Each event type may have a custom color assigned to it. The Workstation will display that color on the point icon, alarm summary icon, and the alarm indicator on the left of the navigation tree.

New Color for an Event Type Selection

- Step 1. Double-click on the colored rectangle next to the event type. The Color window displays.
- Step 2. Click one of the pre-defined basic colors or click the Define Custom Colors button to select a customized color.
- Step 3. Click OK when all colors choices have been made.
- Step 4. Click the Save button on the Color and Sound Configuration window to update the Workstation with the new colors
- Step 5. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the Workstation with the information created in this procedure.

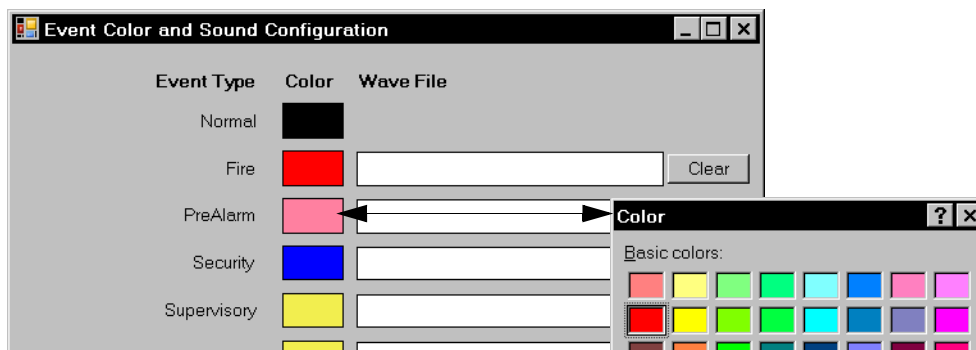


Figure 4.3 Color Configuration



NOTE: To fully update the Workstation with the new color configuration, the Workstation software application must be exited and then restarted.

4.4.2 About Sound Configuration Settings

Each event type may be configured to play a different sound. For example a fire alarm sound may be configured so that it is distinctly different from the sound of a trouble event. The Color and Sound Configuration tab displays the currently configured sound in the Wave File window.



NOTE: Factory default sounds are assigned so that a different sound will play for each status. They may be changed if desired.

Sound Changes



NOTE: To able to define a sound for an event; a sound file in a *.wav format must be placed into the Workstation's ... \Applications\Configuration Tool\Sounds folder.

- Step 1. Click the inside the Wave File field An Open window will display.
- Step 2. Select the desired wave file and click the Open button. The name of the newly selected file will be displayed in the Wave File window.
- Step 3. Click the Save button to update the Workstation software with the new sounds.

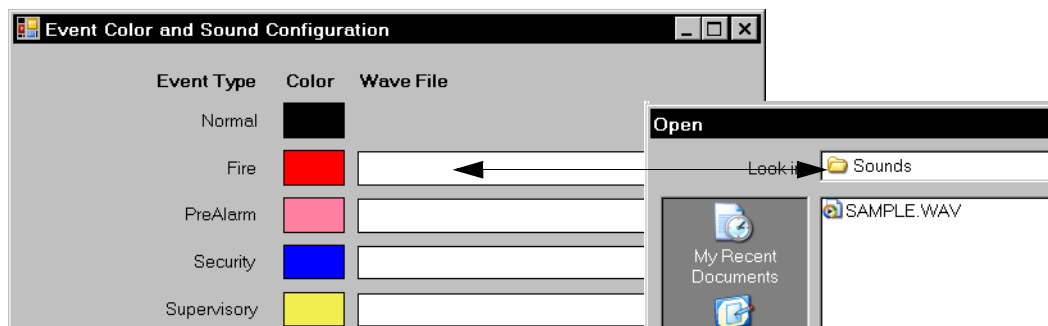


Figure 4.4 Choosing a Sound File

4.5 Launch Spread Sheet Editor

This enhanced graphical setup functionality is used to create an Excel like database format when importing an existing VERI-FIRE databases (Veri-Fire 1020, Veri-TCD, Verifire etc.).

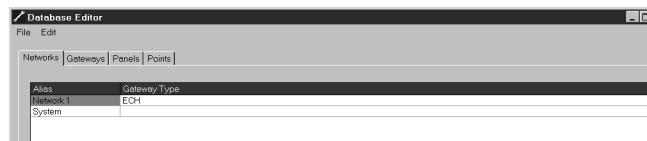


Figure 4.5 Database Editor Window

The Excel like database is to view and modify system database information. It has standard editing features, such as Copy, Paste, Select, Find, Cut, Delete, etc.

The Point tab's columns are reveal by using the bottom side scroll. Those columns support adding and modifying:

- Icon usage for the point.
- Links to Text, Wave File, Picture, and Video formats for the point.

Index

A

Add Node **29**
Admin **10**
Autocreate Points **14**

B

background **15**

C

Color and Sound **33**
Configuration PC **8, 11**
Configuration Tool
 exiting **9**
 starting **9**
Custom Icon **30**

D

database
 backgrounds **10**
 creation **10**
 importing **9**
Delete **29**

F

FCC **31**
FCC+DCC **31**
file formats
 Bit Map **10**
 Enhanced Metafile Format **10**
 Graphic Image Format **10**
 Joint Photographic Experts **10**
 read only **10**
 Windows Meta Files **10**
floor plan background **15**

G

gateway
 redundant **29**

I

Icon Set **30**
Import Database **29**
Information Label **22**
Installation
 Configuration Tool **8**
 PC Requirements **8**

L

Launch Spread Sheet Editor **34**
Linked Media Format **22**
Locate Database to Edit **9**

M

Macro Button **18, 21**
Macro Command **19**
Macro Creation **20**
Macro Editor **14**
Manual Conventions **5**

N

Navigation Icon **17**
Network Configuration **27**

O

Online Gateways **28**
Operating Modes **31**

P

Point Addition **24**
Properties **29**

R

redundant gateway **29**
Related Documentation **6**
Rename **29**
Request Nodes **28**

S

screen
 child **16**
 Objects **32**
 parent **16**
 properties **23**
 Title **15**
Supervising Station **31**
System Options **30**

T

Time Server Settings **32**
Tools Menu **14**

U

Use System Data **9**

V

Verifire **29**

View Menu **14**

Limited Warranty

Honeywell International Inc. warrants products manufactured by it to be free from defects in materials and workmanship for eighteen (18) months from the date of manufacture, under normal use and service. Products are date stamped at time of manufacture. The sole and exclusive obligation of Honeywell International Inc. is to repair or replace, at its option, free of charge for parts and labor, any part that is defective in materials or workmanship under normal use and service. All returns for credit are subject to inspection and testing at the factory before actual determination is made to allow credit. **Honeywell International Inc.** does not warrant products not manufactured by it, but assigns to the purchaser any warranty extended by the manufacturer of such products. This warranty is void if the product is altered or repaired by anyone other than Honeywell International Inc. or as expressly authorized by **Honeywell International Inc.** in writing, or is serviced by anyone other than **Honeywell International Inc.** or its authorized distributors. This warranty is also void if there is a failure to maintain the products and systems in which they operate in a proper and workable manner. In case of defect, secure a Return Material Authorization form from our Return Authorization Department.

This writing constitutes the only warranty made by **Honeywell International Inc.**, with respect to its products. **Honeywell International Inc.**, does not represent that its products will prevent any loss by fire or otherwise, or that its products will in all cases provide the protection for which they are installed or intended. Buyer acknowledges that **Honeywell International Inc.**, is not an insurer and assumes no risk for loss or damages or the cost of any inconvenience, transportation damage, misuse, abuse, accident or similar incident.

HONEYWELL INTERNATIONAL INC. GIVES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE WHICH EXTENDS BEYOND THE DESCRIPTION ON THE FACE HEREOF. UNDER NO CIRCUMSTANCES SHALL HONEYWELL INTERNATIONAL INC. BE LIABLE FOR ANY LOSS OF OR DAMAGE TO PROPERTY, DIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE HONEYWELL INTERNATIONAL INC.'S PRODUCTS. FURTHERMORE, HONEYWELL INTERNATIONAL INC. SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY OR DEATH WHICH MAY ARISE IN THE COURSE OF, OR AS A RESULT OF, PERSONAL, COMMERCIAL OR INDUSTRIAL USE OF ITS PRODUCTS.



World Headquarters
12 Clintonville Road
Northford, CT 06472-1610 USA
203-484-7161
fax 203-484-7118

www.notifier.com

ISO 9001
CERTIFIED
ENGINEERING & MANUFACTURING
QUALITY SYSTEMS