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Documentation

Rauland Secure-Plex RTU Guide

Version 3.x

OSSI
W228 N727 Westmound Dr
Waukesha WI 53186 USA
TEL: 262-522-1870
FAX: 262-522-1872
Ossi-usa.com

Intelli-Site

Security Management Software
Rauland Secure-Plex Video RTU Guide

PC Software RTU Interface Guide
For Windows 7 SP1, 2008 R2 SP1, XP SP3 & 2003 SP2

Version 3.x

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OSSI
W228 N727 Westmound Dr
Waukesha WI 53186
TEL: 262-522-1870
FAX: 262-522-1872

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Section 1 – Introduction

This section describes the following:

- Overview
- Technical Support Assistance

Overview

The Rauland Secure-Plex RTUs (Receiver/Transmitter Units) are the Intelli-Site software representations of the Rauland Secure-Plex door and intercom control equipment.

Technical Support Assistance

OSSI Headquarters

W228 N727 Westmound Dr.
Waukesha WI 53186 USA
Tel: 262-522-1870 Fax: 262-522-1872

Technical Support

Technical support is available via Telephone, Fax or Email. Contact OSSI Technical Support 8:00 AM to 5:00 PM Central Standard time. If calling after hours, please leave a detailed voice mail message, and someone will return your call as soon as possible.

E-Mail: support@ossi-usa.com
Fax: 262-522-1872 (Attention Technical Support)
Local: 262-522-1870

When calling, please be at the computer prepared to provide the following information:

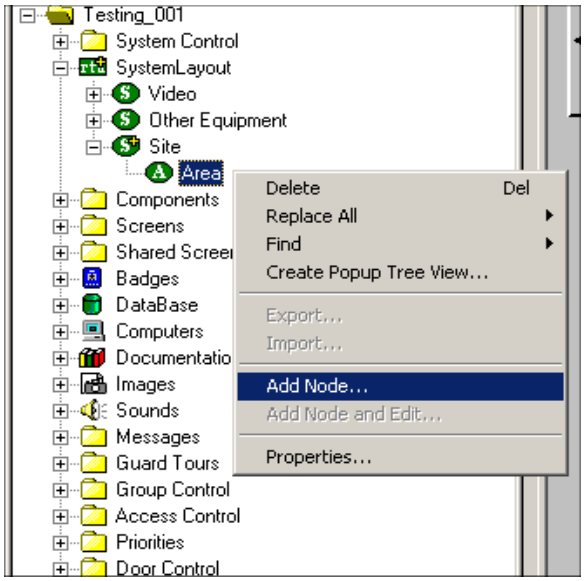
- Product version number, found by selecting the **About** button from the Intelli-Site Menu Application Bar.
- Product serial number used for registration.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?

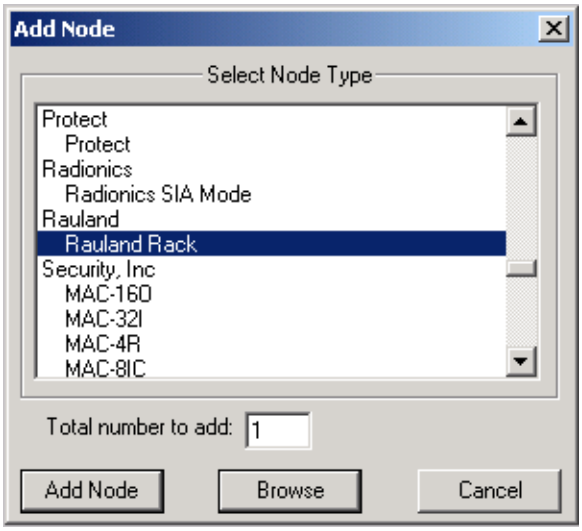
Section 2 – Rauland Secure-Plex Setup (Design Mode)

This section discusses the setup of Secure-Plex in the project in Graphic Design mode.

Adding Rauland Nodes

Rauland nodes are added at the Area level under System Layout. (See figures below):





As displayed, there is one choice for Rauland RTUs:

- For every Rauland Secure-Plex rack that will be communicated with, there will need to be an exact representation in the Intelli-Site tree.
- If you have one rack with a CPU, 5 door cards and 5 intercom cards, you will need a rack in the tree configured in the same order.

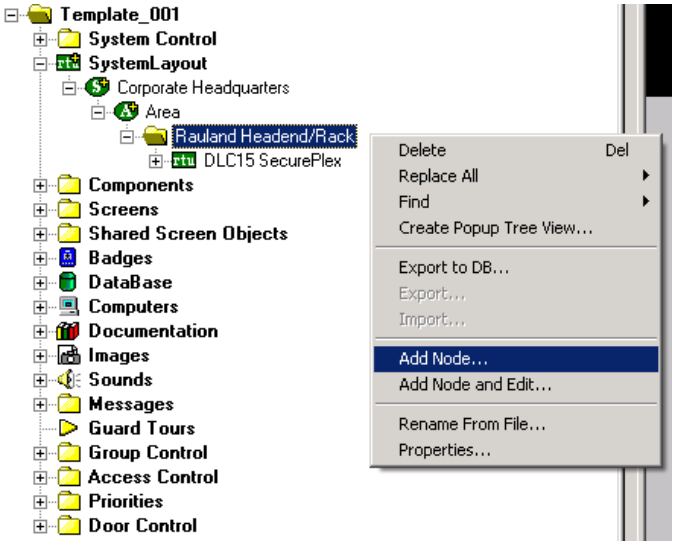
Configuring the Rauland Node

After a Rauland rack has been added to an Area it needs to be configured. The following section details the configuration options available:

Note: A knowledge of the Rauland Secure-Plex hardware configuration is assumed by Intelli-Site. For example door cards always come before intercom cards in an actual rack.

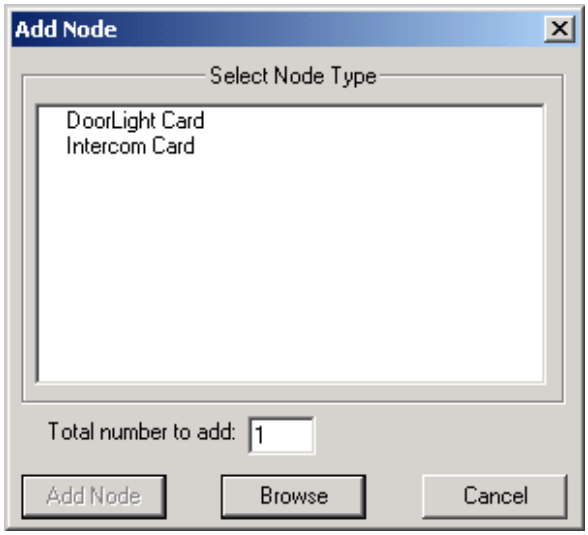
Configuring The Rack

Expand the Rauland Node as shown in the figure below:



When the Rauland rack node is initially added to the tree, the rack is without the cards needed to communicate to the field device and will need to be added in the order in which they appear in the actual rack. This node can accommodate a total of 15 cards which equals the max number of cards in the rack itself. To add a card:

1. Right-click on the Rauland Headend Rack node and select add node.



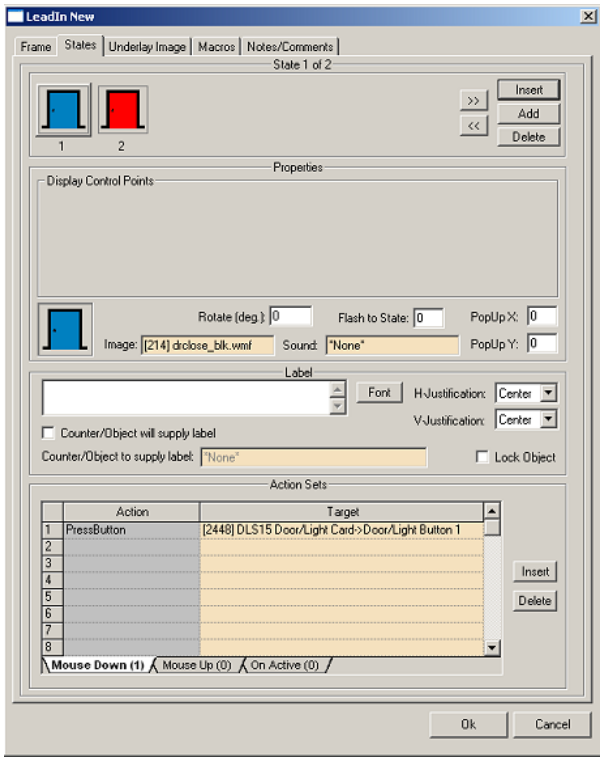
2. Select the card that needs to be added and enter a total number of cards to add. Remember door cards before intercom cards.

Basic Door Screen Object Design

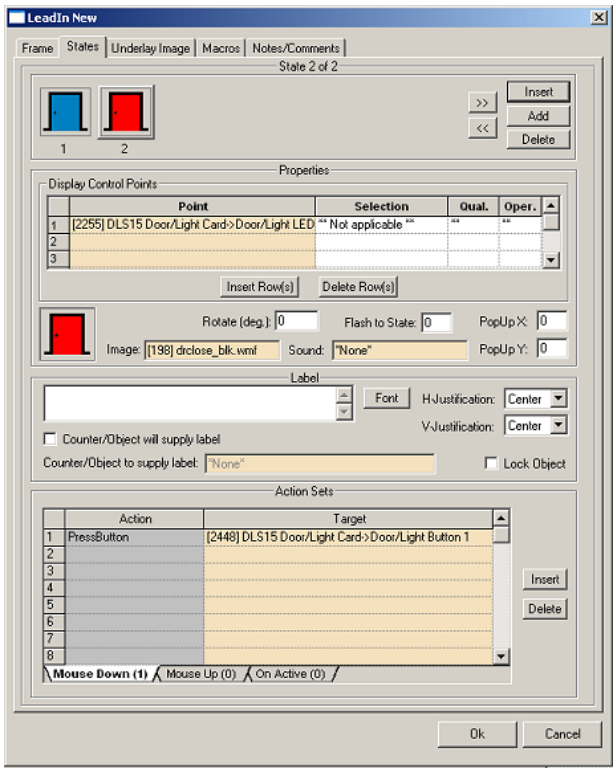
Create a screen object using the toolbar, the following steps are for setting up a door control icon:

1. Add a screen object using the toolbar and open it's properties.
2. Add 1 state and use the following screen shots as a guideline for programming.

Note: The only command that will be used in controlling a Rauland door or intercom will be 'Press Button'. Also the LED points will be used as status, not the door or intercom station points.



State 1 shows on mouse down that the door will be opened using the Door/Light Button 1.



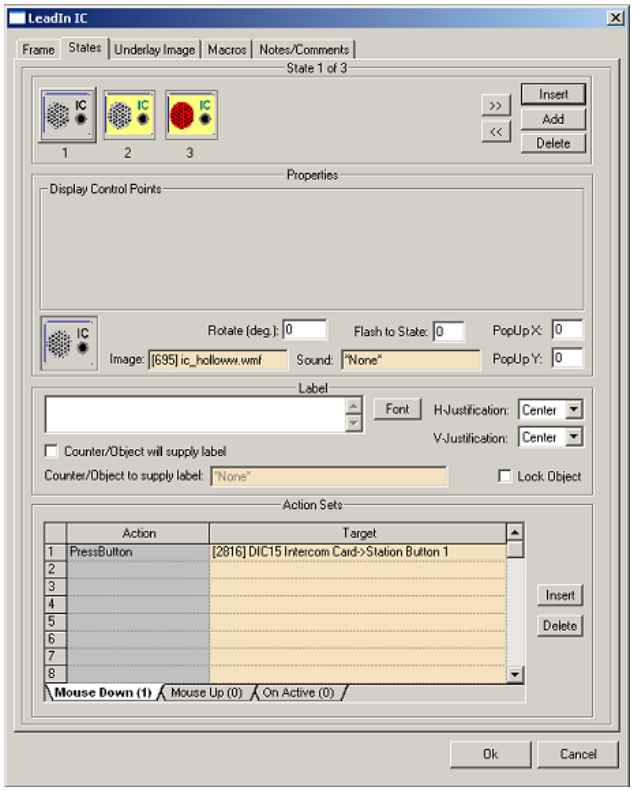
State 2 uses the Door/Light Door 1 LED point for status and on mouse down the command to close the door.

Basic Intercom Screen Object Design

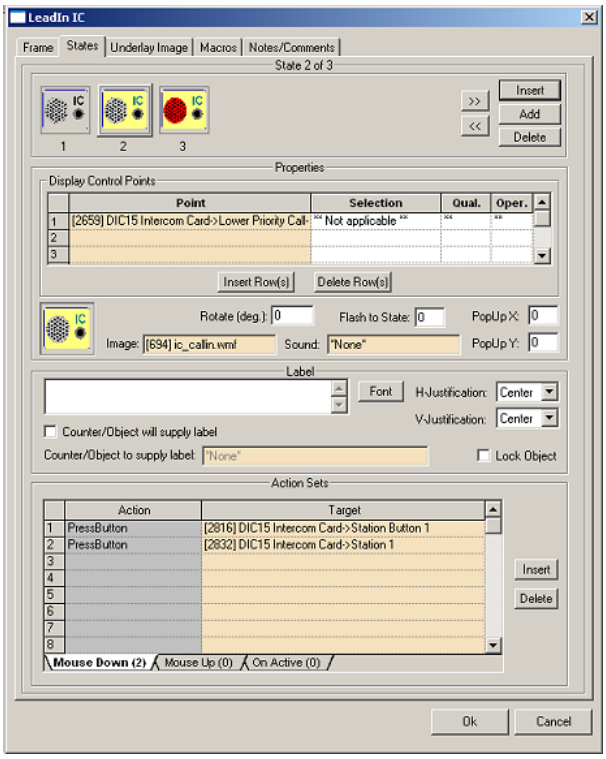
Create a screen object using the toolbar, the following steps are for setting up an intercom control icon:

1. Add a screen object using the toolbar and open it's properties.
2. Add 2 states and use the following screen shots as a guideline for programming.

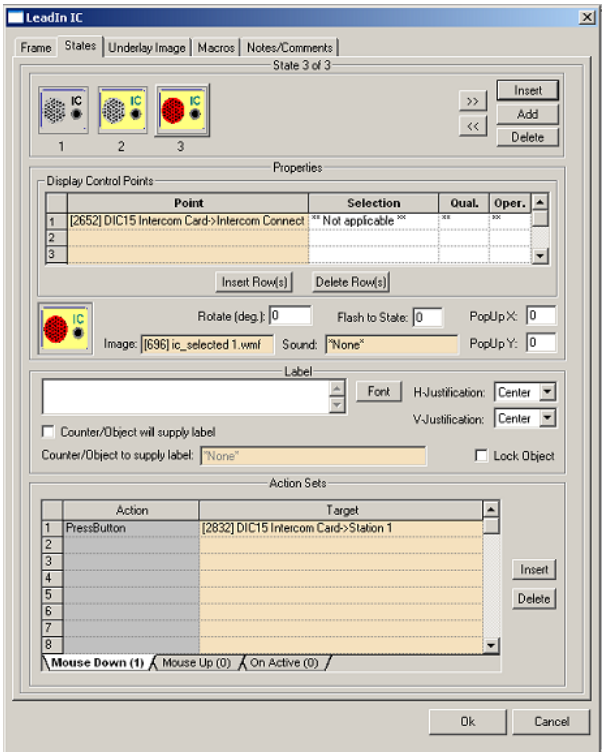
Note: The only command that will be used in controlling a Rauland door or intercom will be 'Press Button'. Also the LED points will be used as status, not the door or intercom station points.



State 1 shows on mouse down that the intercom will be activated using the Station Button 1, this will cause the icon to skip to state



State 2 uses the Low Priority Call In Station 1 LED sub point for status and on mouse down the command is to activate the call station.

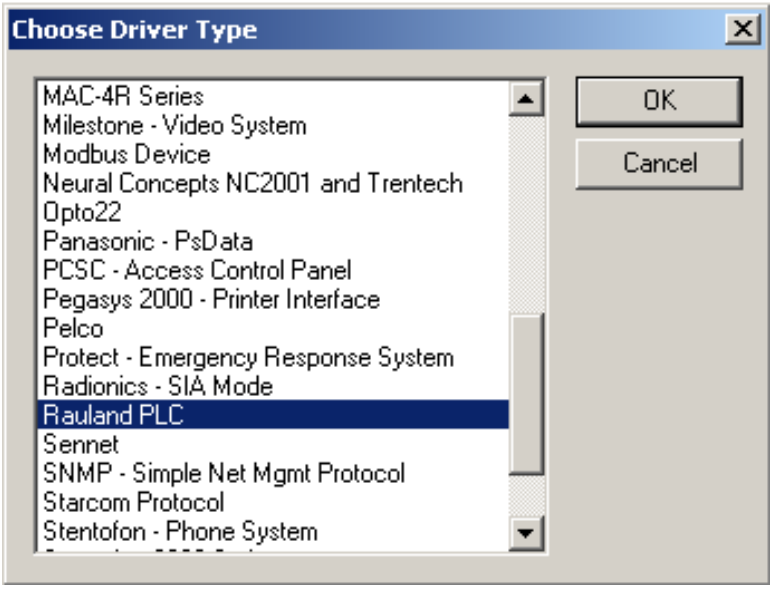


State 3 uses the Intercom Connected Station 1 LED sub point for status and on mouse down the command is to de-activate the call station.

Section 4 – Rauland Secure-Plex Driver Setup

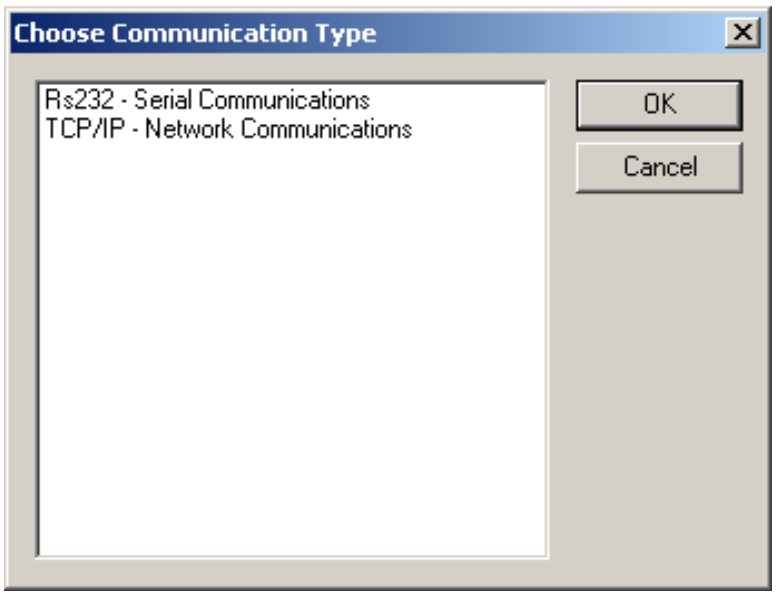
This section discusses the setup of the Rauland Driver.

Open the Driver Service window and select the Add button:



Select the 'Rauland PLC' item and select OK.

Select RS-232 – Serial Communications if the Rauland Rack is connected via serial port. Select TCP/IP – Network communications if the Rauland Rack is connected via LAN. Select OK to continue the configuration.



Server Tab – Configure the fields on the Server Tab as follows:

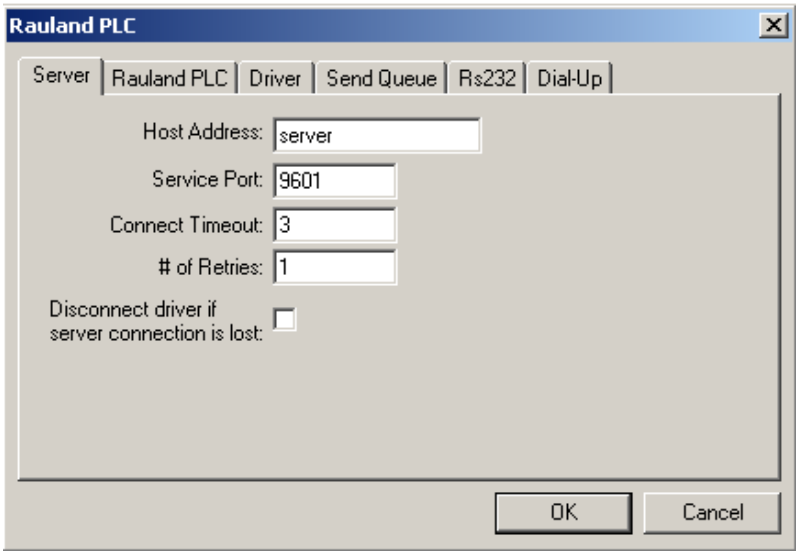
Host Address: Enter the name of the computer that is running the Server.exe application.

Service Port: This number's last digit must match the last digit of the project file name, i.e.: If your project file is named Test_001, and your base port setting is 9600, then the Service Port number needs to be 9601.

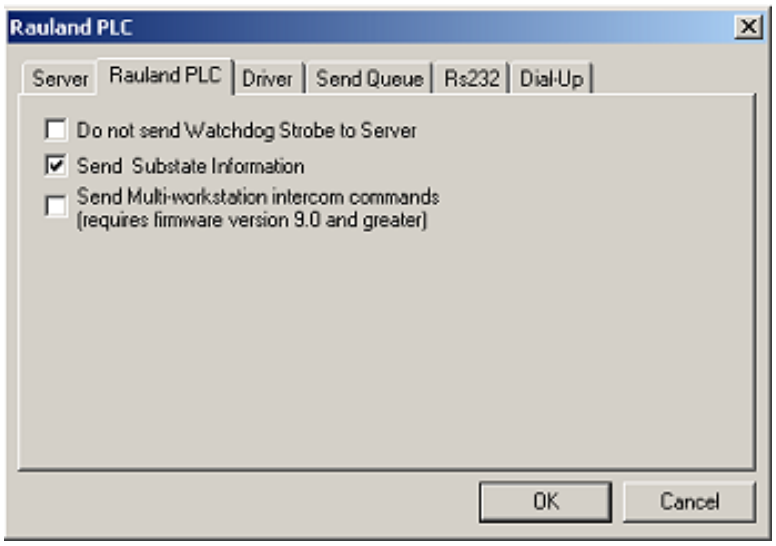
Connect Timeout: Enter the time duration (in seconds) that, when exceeded, would indicate a connection timeout.

# of Retries: Enter the number of retry attempts to be made upon loss of communications.

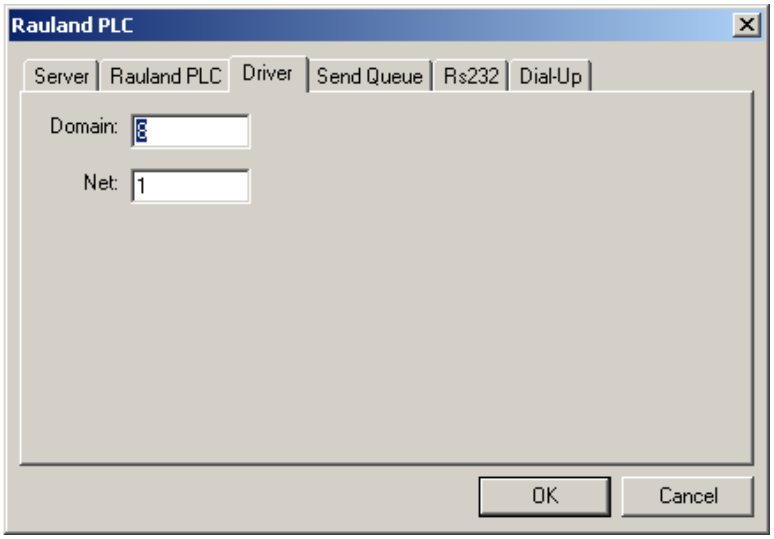
Disconnect driver if server connection is lost: Check this box if you want to disconnect the driver in the event you lose communications with Server.exe.



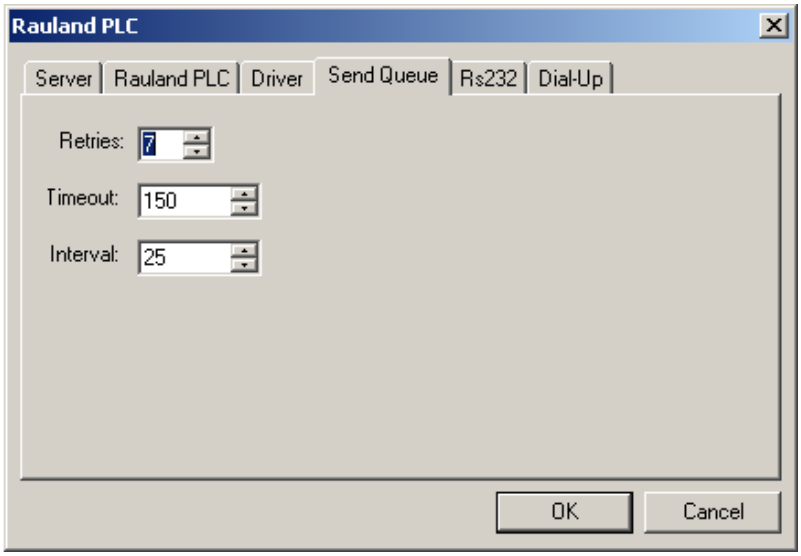
Rauland PLC Tab – Configure according to the needed settings. If sub states were used in the programming make sure to check this option or your screen objects will not get the correct information from the rack. The multi-workstation information will also need to be configured at the rack, please contact Rauland for settings.



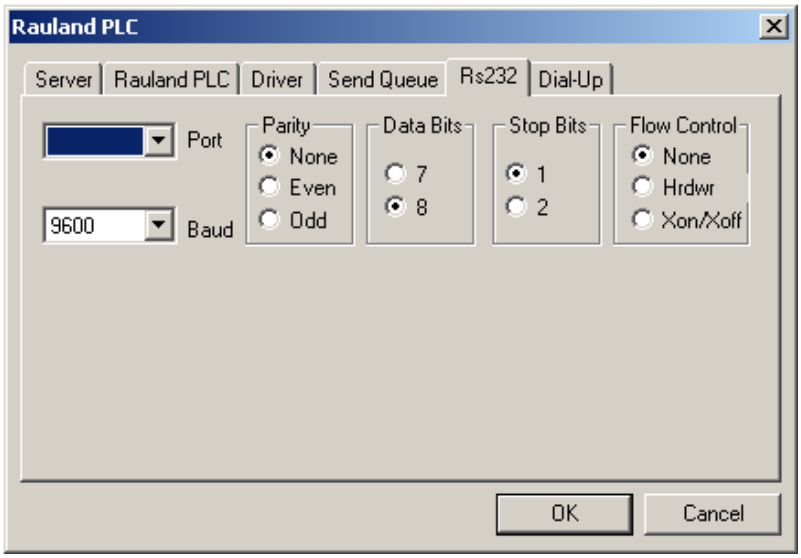
Driver Tab - Set the Domain and Net to match the Domain and Net of the Rauland RTU in the tree.



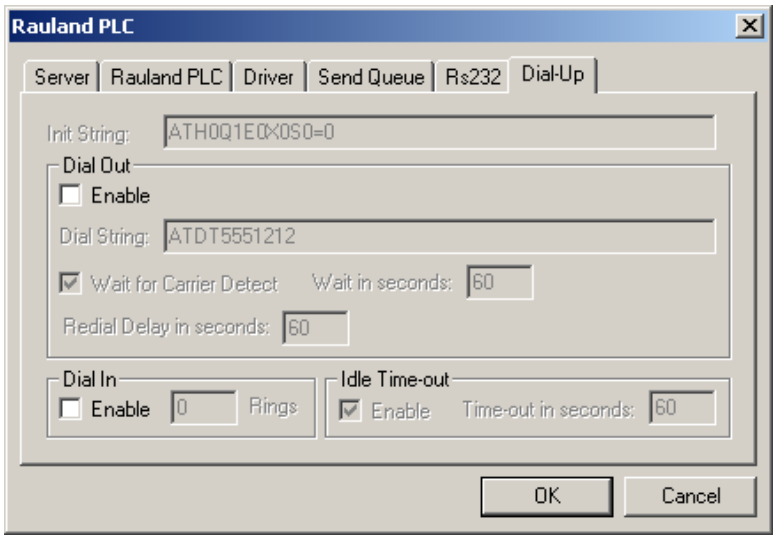
Send Queue Tab – These settings should not be changed.



Rs232 Tab – Adjust communications port settings to match the settings of the switcher.



Dial-Up Tab – Adjust dial-up communications settings if the switcher is connected via modem.



TCP/IP Settings – Set the LAN parameters if the Rauland is connected via Ethernet.