



PESA
Switching
Systems

WIN3300 Control System

PESA Switching Systems
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Huntsville, AL 35805

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- 09/15/95 Manual released for preliminary printing. The preliminary Win3300 Control System Manual describes the installation and operation of the Win3300 Control System Software Package Version 1.0.
- 01/31/96 Manual released as Rev A to incorporate changes in the Win3000 Control System Software Package. The REV A Win3300 Control System Manual describes the installation and operation of the Win3300 Control System Software Package Version 2.0.
- 11/15/96 Manual released as Rev B to incorporate changes in the Win3300 Control System Software Package. The Rev B Win3300 Control System Manual describes the installation and operation of the Win3300 Control System Software Package Version 3.0.
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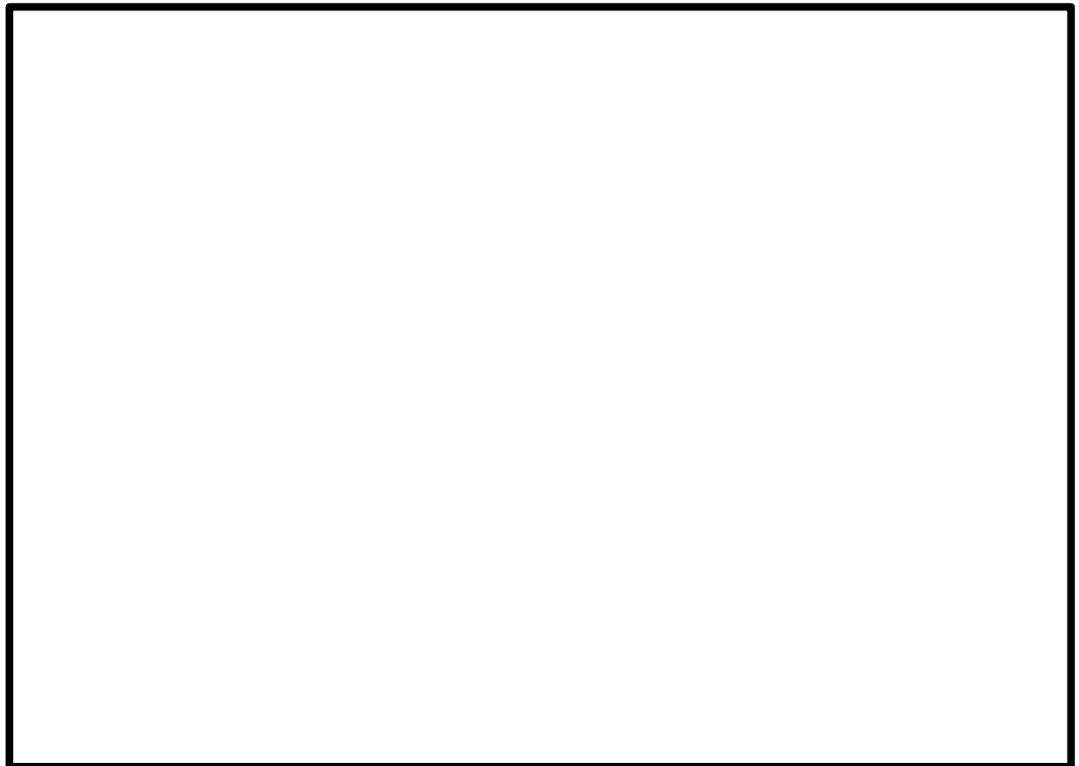
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Win3300

Control System

By PESA Switching Systems, Inc.



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Introduction

Manual Overview

This manual provides detailed instructions for installing and operating the 3300 Controller and configuring the 3300 Controller for system operation utilizing the Win3300 Windows™ based software package. This manual is divided into nine sections as shown.

INTRODUCTION - summarizes the manual, describes the product, and provides the minimum system requirements for installing and operating the Win3300 software package.

INSTALLATION - provides the Win3300 Control System installation instructions.

GENERAL OPERATIONS - describes the Win3300 general operational procedures.

FILE OPERATIONS - describes the operation and selection of the Win3300 new configuration, open configuration, save configuration, print setup, print, and exit menu choices.

SYSTEM OPERATIONS - describes the operation and selection of the Win3300 log on to controller, log off of controller, download configuration to controller, upload configuration from controller, controller configuration name, user account, communications, modem, and set user menu choices.

ROUTER OPERATIONS - describes the operation and selection of the Win3300 router status, panel status, reentry status, sync reference status menu choices.

SYSTEM CONFIGURATION - describes the control system configuration by utilizing the configuration information, level, component, category, index, source, destination, reentry, sync reference, salvo, panel, and CPU link Win3300 menu choices.

SYSTEM DIAGNOSTICS - describes troubleshooting the routing switcher system and controller utilizing the physical diagnostics, router physical mapping, CPU link test, clear configuration locks, block check enable/disable, switcher enable/disable, reset controller, reset panels, and import/export functions Win3300 menu choices.

HELP FUNCTIONS - describes accessing the Win3300 help file and provides general version information.

General Description

The 3300 Controller is a low cost, full-featured microprocessor-based unit designed to interface with various configurations of PESA's video and audio routing switchers. The 3300 Controller, working in conjunction with PESA's Win3300 Control System software package, enables users to configure and operate a routing switcher system from a standard 486 IBM compatible computer. Both the 3300 Controller and Win3300 Control System are inherently flexible and easily configured.

Minimum PC Requirements

To ensure the proper operation of the Win3300 Control System software the following minimum PC requirements should be complied with:

- 486DX2-66MHz Processor
- MB of RAM
- 800X600 SVGA Monitor
- One serial port available from COM1-COM4 available for CPU Link use (Ideally this would use at least a 16550 UART.)
- MB of available hard disk space (5 MB to store the executable files and 5 MB to store configurations)
- Microsoft Windows™ V3.1 or Microsoft for Workgroups™ V3.1 operating system

Installation

Introduction

This section details the Win3300 Control System software package installation procedures. The following topics are discussed:

- Win3300 Control System Installation
- Preliminary Settings
- Installation Guide
- Installation Cancellation

NOTICE

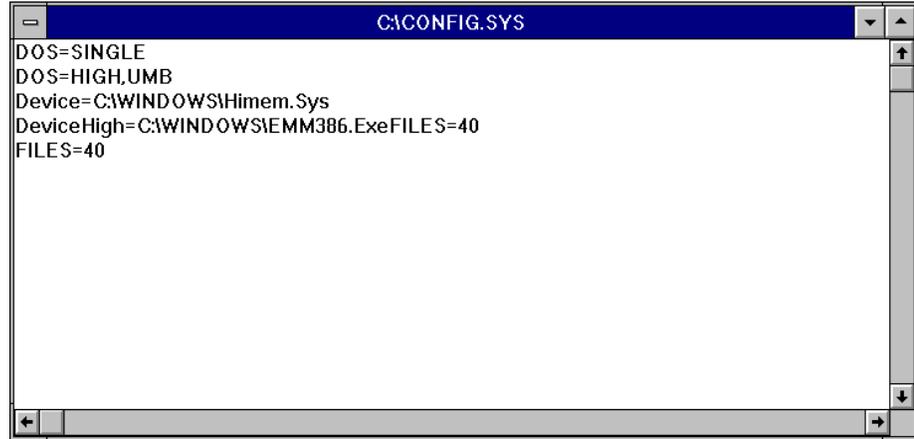
THE WIN3300 CONTROL SYSTEM SOFTWARE PACKAGE INSTALLATION, OPERATION, AND CONFIGURATION PROCEDURES FOUND IN THIS MANUAL ARE NOT MEANT TO BE A REPLACEMENT FOR A THOROUGH KNOWLEDGE OF BOTH DOS AND WINDOWS™ OPERATING SYSTEMS. WIN3300 CONTROL SYSTEM USERS SHOULD HAVE A CONCEPTUAL UNDERSTANDING OF BOTH DOS AND WINDOWS™ OPERATING SYSTEMS.

Win3300 Control System Installation

The Win3300 Control System Windows™ based controller software package enables the customer to easily configure or re-configure their switching system. The installation of the Win3300 Control System software is step-by-step process similar to the installation of any Windows™ based software package. The following paragraphs outline the steps necessary to properly install the Win3300 Control System software.

Preliminary Settings

If you wish to edit your CONFIG.SYS file prior to installing the Win3300 Control System Software, access your CONFIG.SYS file using either the DOS EDIT CONFIG.SYS command or the WINDOWS™ SYSEDIT command. Make sure the number of files is set to at least forty as shown in the following figure. If you make changes to the CONFIG.SYS file, re-boot your computer prior to continuing.

A screenshot of a DOS window titled "C:\CONFIG.SYS". The window contains the following text:

```
DOS=SINGLE
DOS=HIGH,UMB
Device=C:\WINDOWS\Himem.Sys
DeviceHigh=C:\WINDOWS\EMM386.ExeFILES=40
FILES=40
```

The window has a standard DOS-style border with a title bar, a scroll bar on the right, and a status bar at the bottom.

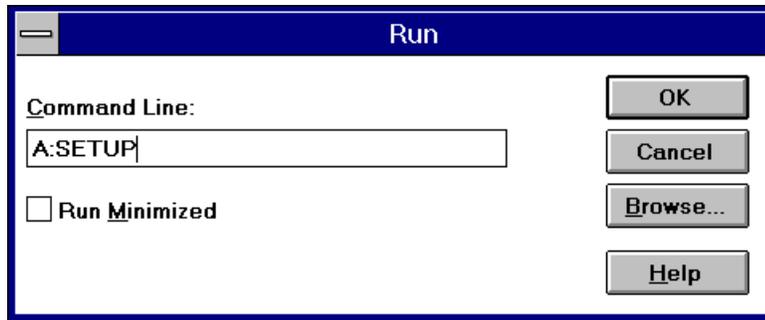
Example CONFIG.SYS File

Installation Guide

NOTICE

If you currently have an earlier Win3300 Control System Version installed, and you are installing Win3300 Control System Version 3.0, if your configuration is stored in C:\WIN3300, it should be saved somewhere other than the C:\WIN3300 directory or its sub-directories. Otherwise, you will lose your configuration when Win3300 Control System Version 3.0 is installed. The easiest way save your configuration and insure that you have all the configuration files saved is to run the earlier version Win3300 Control System, select the File menu, Save menu option, save to a directory other than the C:\WIN3300, and exit Win3300. After you have exited Win3300 you may run the installation program for Win3300 Version 3.0 as described in the following paragraphs

To install the Win3300 Control System software access the Windows™ Program Manager window. Generally, the Program Manager window is available upon entering the Windows™ operating system. Once the Program Manager window is accessed, select File and then Run. Type in A:SETUP or B:SETUP, depending upon which floppy drive is your 3.5" drive, in the Command Line as shown in the following figure. Once A:SETUP or B:SETUP is entered into the command line, place Disk 1 of the 3300 Controller Software Package in your 3.5" floppy drive and click on OK to proceed with the installation. Follow the on-screen instruction to complete the installation the Win3300 Control System.



Run Window

General Operations

Introduction

The following manual sections detail the Win3300 Control System software package operational procedures. The following topics are discussed:

- Win3300 General Operations
- Win3300 File Operations
- Win3300 System Operations
- Win3300 Router Operations
- Win3300 System Configuration
- Win3300 System Diagnostics
- Win3300 Help Operations

NOTICE

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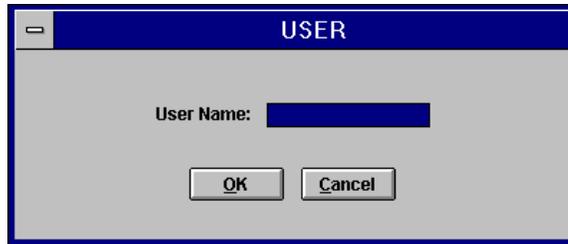
Win3300 Control System Operation

The operation of the Win3300 Control System consists of opening the Win3300 Control System Window and performing the appropriate system operations. To open the Win3300 Control System Window double click on Win3300 icon found in the PESA 3300 Controller Group Window.



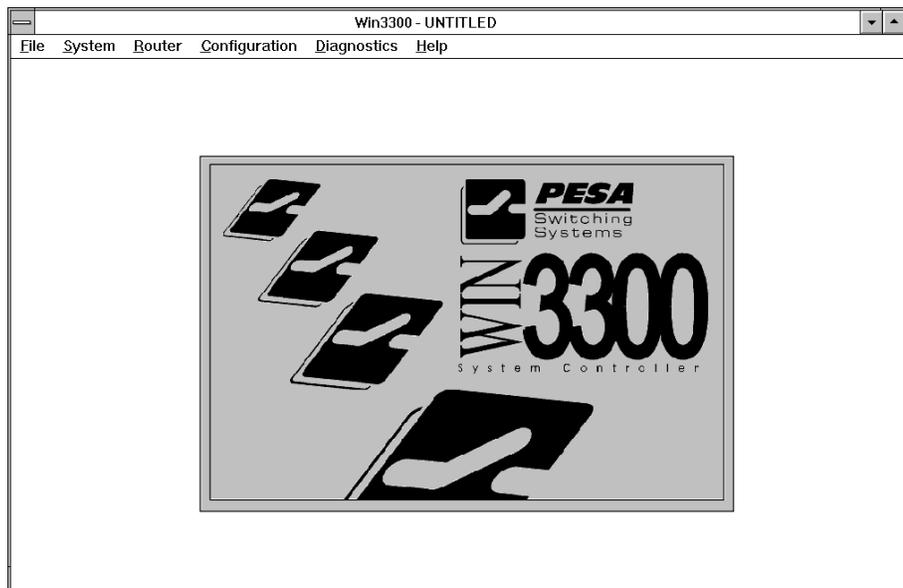
PESA 3300 Controller Group Window

Double clicking on the Win3300 icon will cause the system computer to access the Win3300 Controller System software package. Once the system computer has started the access process the Win3300 User Window will open.



Win3300 User Window

Enter a user name in the User Name data field and select OK to continue the Win3300 Controller System software package access process. Once the system computer has completed the access process the Win3300 User Window will open.



Win3300 Window

The menu choices available to the Win3300 Control System user in the Win3300 Window are File, System, Router, Configuration, Diagnostics, and Help. The selection and execution of these Win3300 Window menu choices are described in the following manual sections. The Win3300 Statistics Table contains the Win3300 Control System's general statistics.

Win3300 Statistics

WIN3300 CONTROL SYSTEM GENERAL STATISTICS		
Chop Rate	1-255	
Max Number of Levels	8	
Max Number of Input/Outputs per Level	192	
Max Number of Components	16	
Max Number of Categories	64	
Max Number of Index Names	16 (Including default of "0")	
Max Number of Sources	224	
Max Number of Destinations	224	
Max Number of Reentries	8	
Max Number of Salvos	128 (1024 Entry Lines)	
Lock Priority Range	0-255 (0 is the highest priority)	
Max Number of Control Panels	127	
Panel Address Range	1 thru 1023	
Panel Requestor Code Range	1 thru 65535	
Component Types	RM5 (System 5)	PRC (Cougar)
Offset Range	0 thru 255	0 thru 4094
Strobe Range	1 thru 5	1 thru 63
Address Range	1 thru 255	1 thru 4095

File Operations

Introduction

Selecting the File menu choice in the Win3300 Window enables you to gain access to the New Configuration, Open Configuration, Save Configuration, Print Setup, Print, and Exit menu choices. The selection and step-by-step guide through the execution of these menu choices are found in the following manual subsections.

New Configuration

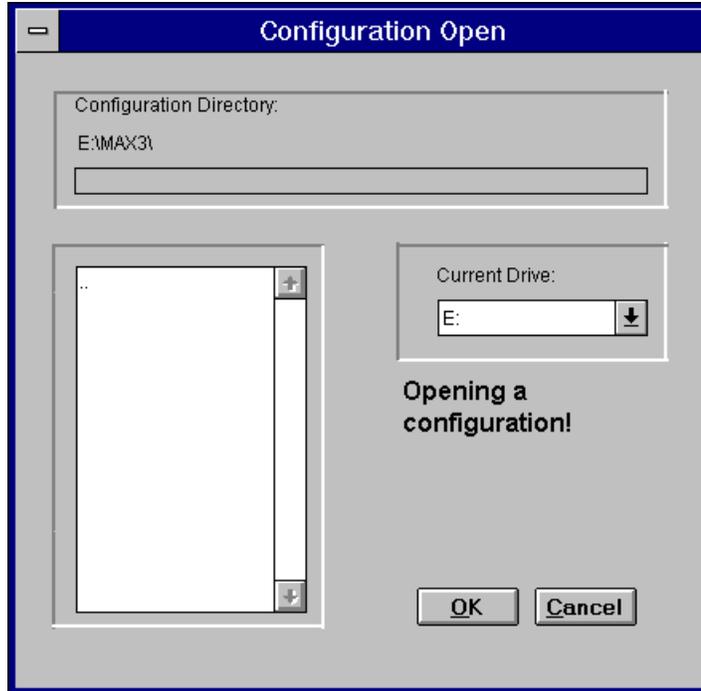
The New Configuration menu selection enables you to start building a new system configuration. It is not necessary to select New Configuration when you have just invoked the Win3300 Control System because the control system automatically assumes that a new configuration is being configured until you load an existing configuration or have named a new configuration. Selecting New Configuration from the File menu opens the Create New Configuration Window . Selecting OK will delete the existing configuration. Selecting Cancel will abort the operation. When OK is selected a backup copy of the last existing configuration will also be saved to the system computer's hard-drive. This safety backup copy of the last configuration enables the last configuration to be restored in the event of problems in the new configuration. The safety backup copy is intended to be used for restoration purposes only. To explicitly save the existing configuration use the Save Configuration option described in a later manual section.



Create New Configuration Window

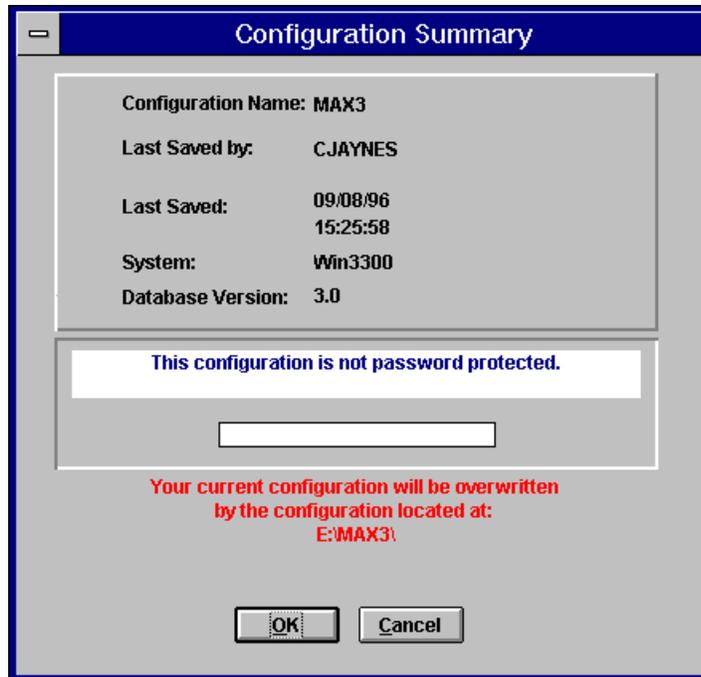
Open Configuration (No Password)

The Open Configuration menu selection enables you to open an existing configuration (a configuration previously saved to the system computer's hard-drive or to a floppy drive). Selecting Open Configuration from the File menu opens the Configuration Open Window. Either type in the drive and directory where the configuration is stored or select the drive and directory where the configuration is stored using a pointing device (mouse). Once the drive and directory information is entered, select OK to continue the operation. Selecting Cancel will abort the operation.



Configuration Open Window

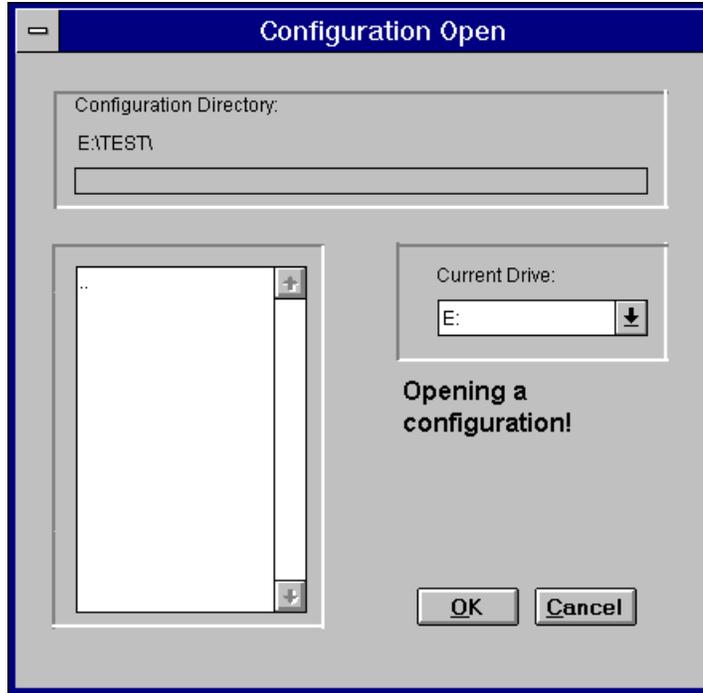
Upon selecting OK in the Configuration Open Window, the Configuration Summary Window appears. As can be seen in the following figure, this particular configuration is not password protected so a password is not required. Selecting OK in response to the Configuration Summary Window will cause the existing configuration to be overwritten with the configuration located in the selected configuration directory. Selecting Cancel will abort the operation. After loading the selected configuration, the Win3300 title bar is updated to reflect the name of the configuration currently loaded in the system computer.



Configuration Open Confirmation Window (No Password)

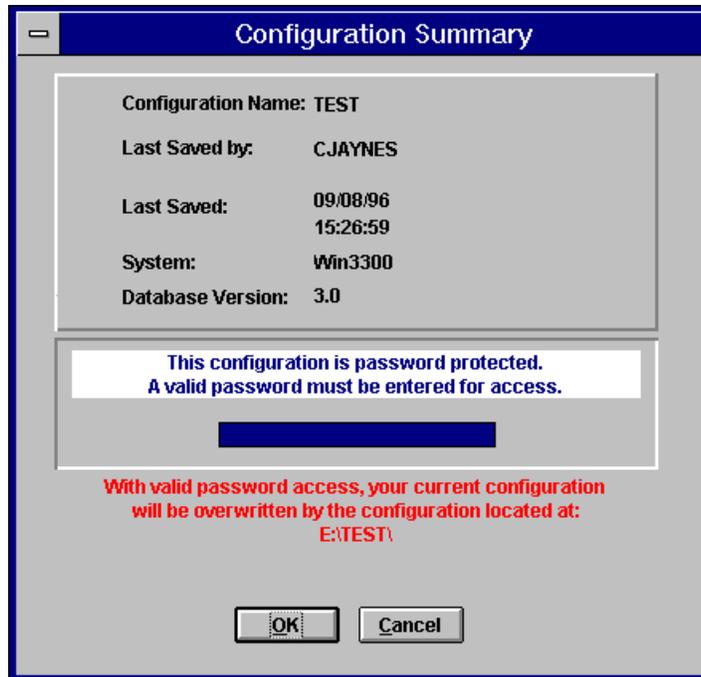
Open Configuration (Password)

The Open Configuration menu selection enables you to open an existing configuration (a configuration previously saved to the system computer's hard-drive or to a floppy drive). Selecting Open Configuration from the File menu opens the Configuration Open Window. Either type in the drive and directory where the configuration is stored or select the drive and directory where the configuration is stored using a pointing device (mouse). Once the drive and directory information is entered, select OK to continue the operation. Selecting Cancel will abort the operation.



Configuration Open Window

Upon selecting OK in the Configuration Open Window, the Configuration Open Confirmation Window opens. As can be seen in the following figure, this particular configuration has been password protected. Entering the proper configuration password and selecting OK in response to the Configuration Open Confirmation Window will cause the existing configuration to be overwritten with the configuration located in the selected configuration directory. Selecting Cancel will abort the operation. After loading the selected configuration, the Win3300 title bar is updated to reflect the name of the configuration currently loaded in the system computer.



Configuration Open Confirmation Window

Save Configuration (No Password)

The Save Configuration menu selection enables you to save an existing configuration to a selected hard-drive and directory. Selecting Save Configuration from the File menu opens the first Configuration Save Window. Either type in the drive and directory where the configuration is to be stored or select the drive and directory where configuration is to be stored using a pointing device. Once the drive and directory information is entered, select OK to continue the operation. The Win3300 Control System will not allow you to save a configuration to the working directory, i.e. C:\WIN3300. Selecting Cancel will abort the operation.



Configuration Save Window

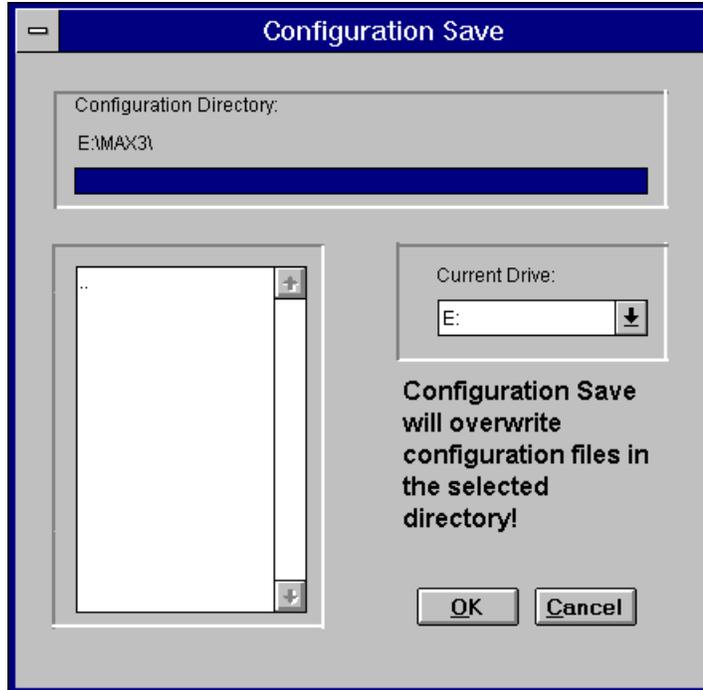
Upon selecting OK in the Configuration Save Window, the Configuration Information Window appears. At this point, the configuration name and chop rate may be edited. The configuration may also be marked or unmarked for password protection. Selecting OK in response to the Configuration Information Window will cause the existing configuration files to be overwritten in the selected drive and directory. Selecting Cancel will abort the operation.

Configuration Information	
Configuration Name:	MAX3
Chop Rate:	1
<input type="checkbox"/> Password Protected	
Last Saved by: CJAYNES	
Last Saved: 09/08/96 15:32:39	
System: Win3300	
Database Version: 3.0	
Number of Levels:	8
Number of Components:	16
Number of Sources:	160
Number of Destinations:	160
Number of Reentries:	8
Number of Panels:	122
Save Configuration to: E:\MAX3\	
OK Cancel	

Configuration Information Window (No Password)

Save Configuration (Password)

The Save Configuration menu selection enables you to save an existing configuration to a selected hard-drive and directory and to password protect the existing configuration's files. Selecting Save Configuration from the File menu opens the Configuration Save Window. Either type in the drive and directory where the configuration is to be stored or select the drive and directory where configuration is to be stored using a pointing device. Once the drive and directory information is entered, select OK to continue the operation. The Win3300 Control System will not allow you to save a configuration to the working directory, i.e. C:\WIN3300. Selecting Cancel will abort the operation.



Configuration Save Window

To save the existing configuration with password protection, check Password Protected Box in the Configuration Information Window. Checking the Password Protected Box will open the Password Window. Enter the desired password (any string of alphanumeric characters up to eight characters long, lower case letters are automatically converted to upper case) into the Password Data Field and select OK to proceed. Selecting Cancel will abort the password operation.



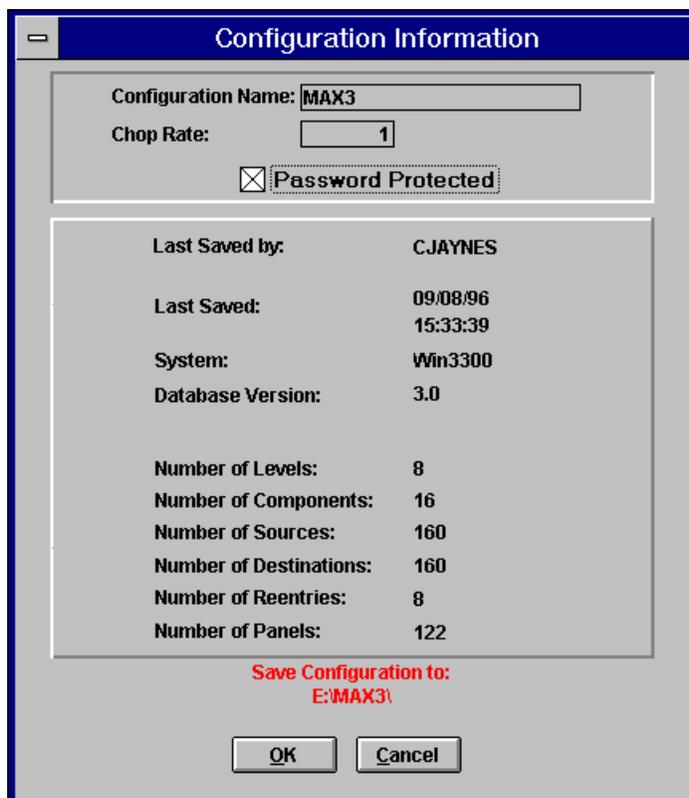
Password Window

Selecting OK in the Password Window will open the Verify Password Window. Enter the same alphanumeric character string in the Verify Password Window's Password Data Field as in the Password Window and then select OK to complete the selection of a configuration password and to return to the Configuration Information Window. Selecting Cancel in the Verify Password Window will abort the selection of a configuration password.



Verify Password Window

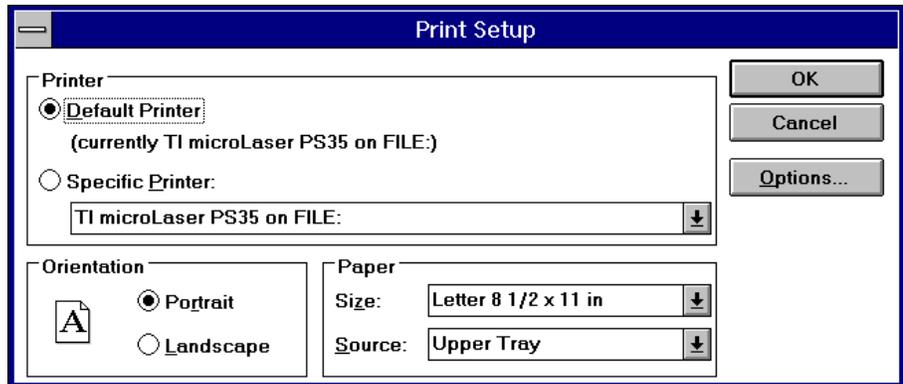
Upon selecting OK in the Verify Password Window, the Configuration Information Window opens. Selecting OK in response to the Configuration Information Window will cause the existing configuration files to be written in the selected drive and directory. Selecting Cancel will abort the operation.



Configuration Information Window (Password)

Print Setup

The Print Setup menu selection enables you to select the printer on which you wish to print Win3300 Control System configurations. The Print Setup selection also enables you to select the paper size, the paper source, and the orientation of the printed configurations (i.e. landscape or portrait). Selecting Print Setup from the File menu opens the Print Setup Window. Please refer to your Windows™ System Manual for complete details on the configuration of your printer and the selection of printer options. Once the desired printer, paper size, paper source, and paper orientation is selected, select OK to save the current selections or Cancel to abort the current selections.

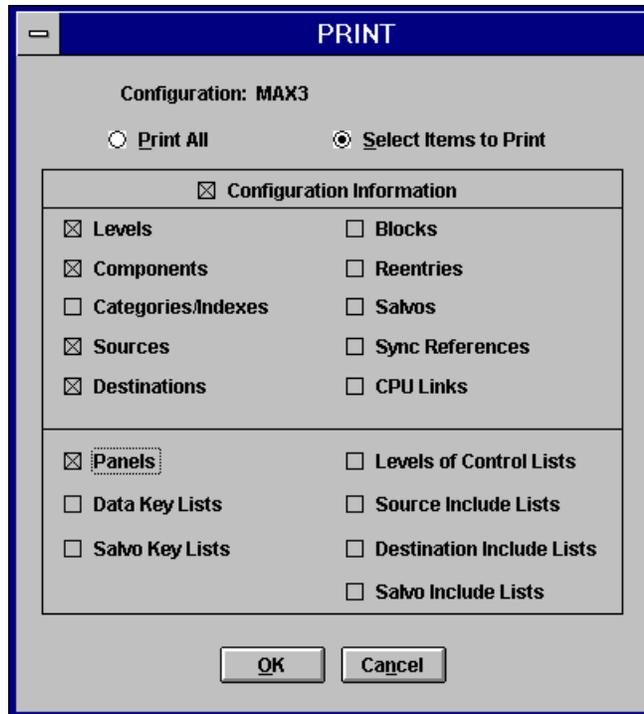


Print Setup Window

Print

The Print menu selection enables you to select the configuration items you wish to print. Selecting Print from the File menu opens the Print Window. To print reports on all of the current configuration's configuration items, choose Print All and select OK.

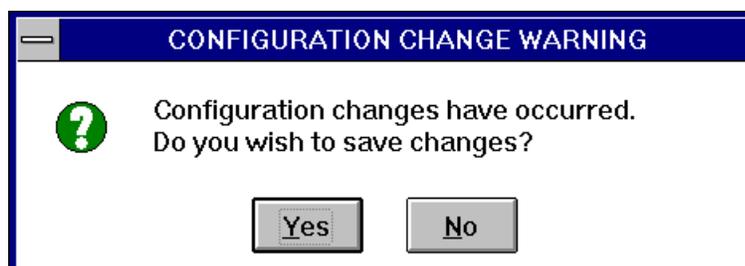
To print reports on selected configuration items, choose Select Items to Print and then check the configuration items you wish to be printed. Once all of the desired configuration items are checked, select OK.



Print Window

Exit

Selecting Exit from the File menu will close the Win3300 Control System. If configuration changes have been made prior to selecting Exit a Configuration Change Warning Window will open. Select Yes and follow the instructions in the Save subsections to save the configuration changes. Select No to continue the exit process without saving the current configuration changes.



Configuration Change Warning Window

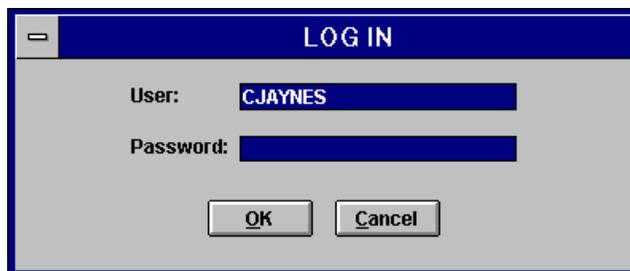
System Operations

Introduction

Selecting the System menu choice in the Win3300 Window enables you to gain access to the Log On to Controller, Log Off of Controller, Download Configuration to Controller, Upload Configuration from Controller, Controller Configuration Name, User Account, Communications, Modem, and Set User menu choices. The selection and step-by-step guide through the execution of these menu choices are found in the following manual subsections.

Log On to Controller

Selecting Log On to Controller from the System menu will open the Log In Window and enable you to log on to the system controller. Enter your user name and password in the respective data fields and select OK to log on to the system controller. If you have entered a valid user name and user password and have controller access authority the "Log On Successful" message will appear. If you do not have the necessary access privileges the Controller Interface Authority Window will open. Select OK to close the Controller Interface Authority Window and contact your system manager if you require controller access authority. Please refer to the User Account subsection of this manual for information on the configuration of user accounts and user passwords.



Log In Window



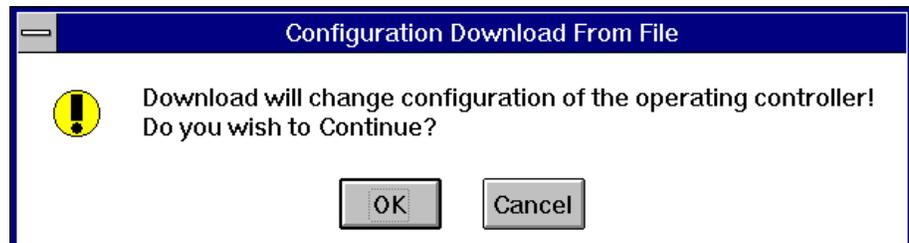
Controller Interface Authority Window

Log Off of Controller

Selecting Log Off of Controller from the System menu will log the currently logged in user off the system controller. The "Log Off Successful" message will appear when the log off function is completed.

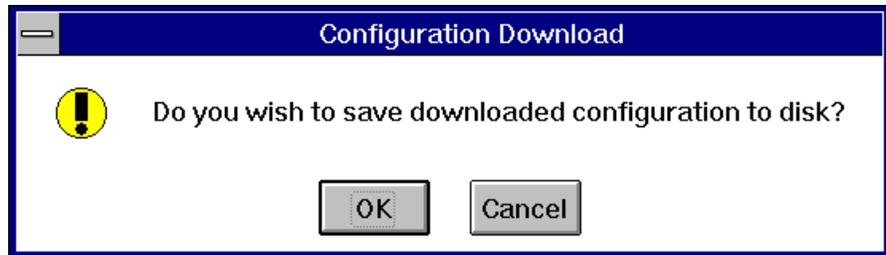
Download Configuration to Controller

Selecting Download Configuration to Controller from the System menu will open the Configuration Download From File Window. Prior to the Configuration Download Window appearing, if the currently loaded configuration has not been assigned a name, the Configuration Information Window will open. If the Configuration Information Window is opened, enter the desired configuration name and select OK. See the Configuration Information Section of this manual for details. Selecting OK in the Configuration Information Window will open the Configuration Download From File Window. Selecting OK in the Configuration Download From File Window will download the open configuration to the system controller and will overwrite the existing controller configuration information in the controller's memory. Selecting Cancel will abort the operation.



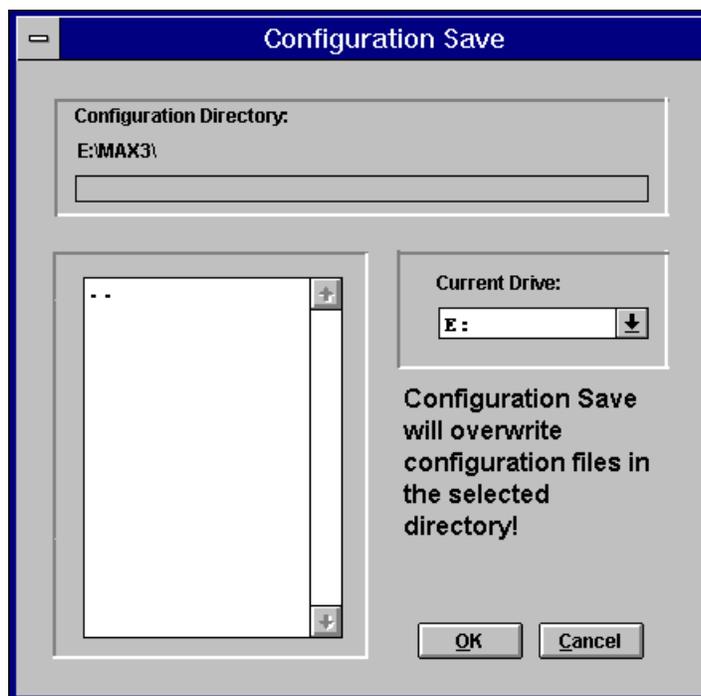
Configuration Download From File Window

Once the open configuration is downloaded to the system controller the Configuration Download Window will open. If you wish to save the downloaded configuration to disk select OK. If you do not wish to save the downloaded configuration to disk select Cancel.



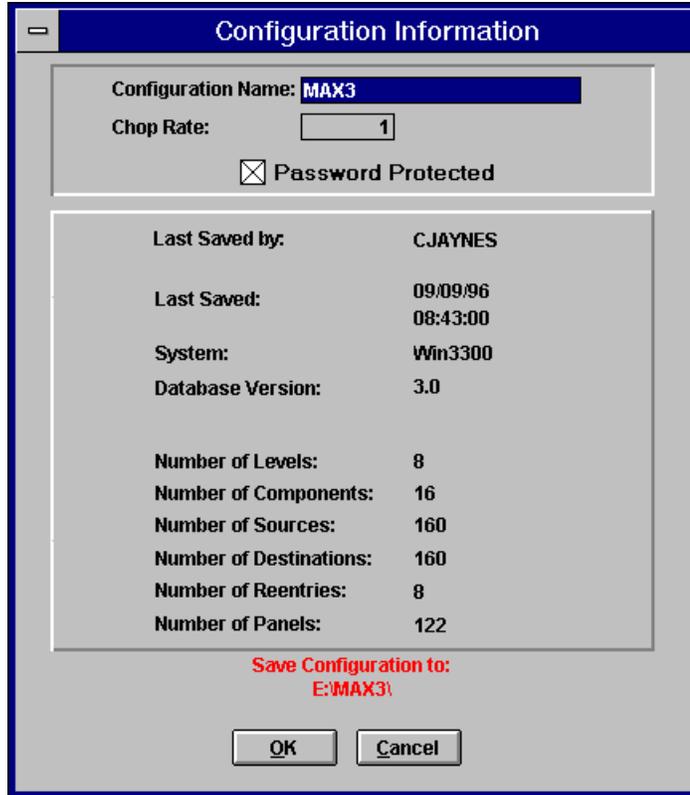
Configuration Download Window

Selecting OK in the Configuration Download Window will open the Configuration Save Window. Either type in the drive and directory where the configuration is to be stored or select the drive and directory where configuration is to be stored using a pointing device. Once the drive and directory information is entered, select OK to continue the operation. The Win3300 Control System will not allow you to save a configuration to the working directory, i.e. C:\WIN3300. Selecting Cancel will abort the operation.



Configuration Save Window

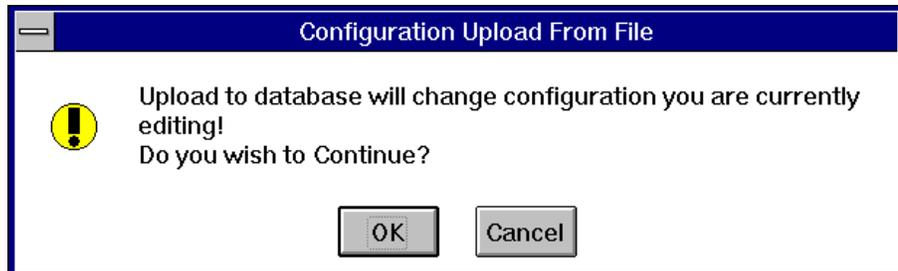
Upon selecting OK in the Configuration Save Window, the Configuration Information Window appears. Selecting OK in response to the Configuration Information Window will cause the existing configuration files to be overwritten in the selected drive and directory. Selecting Cancel will abort the operation.



Configuration Information Window

Upload Configuration from Controller

Selecting Upload Configuration from Controller from the System menu will open the Configuration Upload From File Window. Selecting OK in the Configuration Upload Window will upload the controller's current configuration information to the system computer's memory and will overwrite any configuration information currently stored in the system computer's memory. The Win3300 title bar will be updated to reflect the newly loaded configuration's name. Selecting Cancel will abort the operation.



Configuration Upload From File Window

If the upload process has started and the users aborts or the operation is aborted by the system computer the Database Load Error Window will open. If OK is selected in the Database Load Error Window the system computer will restart the previous configuration. Selecting Cancel will abort the upload operation without attempting a restart.



Database Load Error Window

Controller Configuration Name

Selecting Controller Configuration Name from the System menu will open the CPU Link Configuration Name Message Window which displays the name of configuration currently loaded on the controller. Select OK to acknowledge receipt of the message window and to return the Win3300 Window.



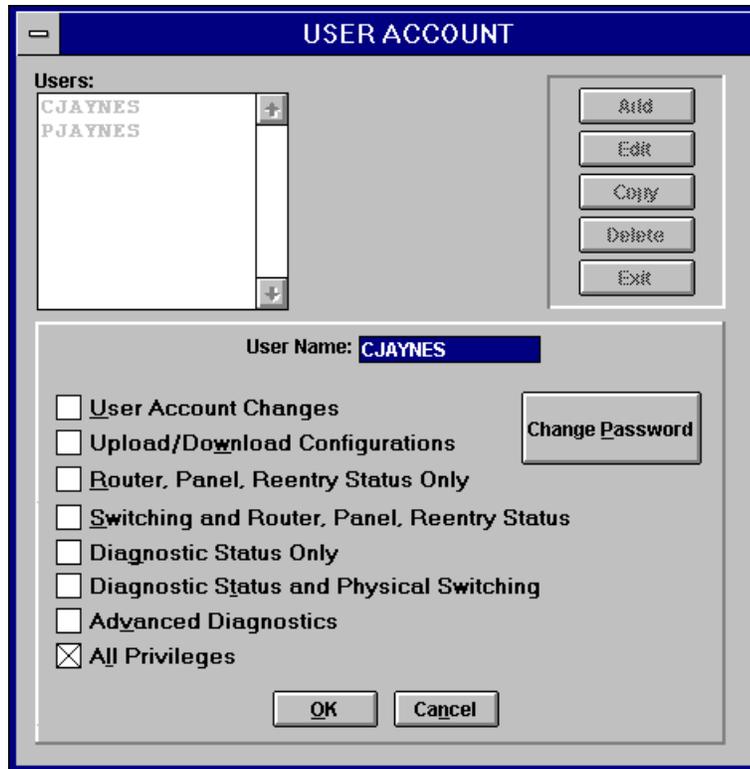
CPU Link Message Window

User Account

Selecting User Account from the System menu will open the User Account Window which enables the system manager or any users with user account change privileges to add, edit, copy, and delete user accounts. The User Account Window also allows the assignment of passwords to user accounts. The User Account Window selections and functions allow the system manager to control access to the system controller and to the switching system and to limit the ability to perform diagnostics on the switching system. **NOTE:** At least one user account must be assigned all privileges. Configuring user accounts is an optional feature. If no user accounts are configured, all users have all privileges.

Privileges for restricting access include:

1. **User Account Changes:** When this item is checked the user account is allowed to add, edit, or delete user accounts.
2. **Upload/Download Configurations:** When this item is checked the user is allowed to upload configurations to the system controller and to download configurations from the system controller.
3. **Router, Panel, Reentry Status Only:** When this item is checked the user is allowed to obtain the status of the router, control panels, and reentries; but is not allowed to take switches.
4. **Switching and Router, Panel, Reentry Status:** When this item is checked the user is allowed to obtain the status of all switching system functions and to take switches.
5. **Diagnostic Status Only:** When this item is checked the user is configured allowed to utilize the control system diagnostics to obtain the physical status (i.e. readback and confidence) of the switching system. This selection will not allow the user to perform physical switches or advanced diagnostics.
6. **Diagnostic Status and Physical Switching:** When this item is checked the user is allowed to utilize the control system diagnostics to obtain the status of the switching system and to perform physical switches on the switching system.
7. **Advanced Diagnostics:** When this item is checked the user is allowed to utilize the control system diagnostics to perform all diagnostic functions including physical switches. Some of these capabilities include clearing configuration locks, disabling/enabling block checking, disabling/enabling the switcher, resetting the controller, resetting panels, and exporting text files to the controller.
8. **All Privileges:** When this item is checked the user is allowed the full access to all controller features and user account management



User Account Window

Add

The Add command enables a user with user account change privileges (or all privileges) to add new user accounts to the system configuration. To add a new user account select Add and then enter the new user name into the user name data entry field. The user name may be any string of alphanumeric characters up to eight characters long excluding commas. Once the user name is entered in the user name data field, check the desired privileges for the new user account. If the new user account is to be password protected, select Change Password and refer to the Change Password subsection of this manual section. Once all of the new user account information has been configured, select OK to complete the addition of the new user account. Selecting Cancel will abort the addition of the new user account.

Edit

The Edit command allows a user with user account change privileges (or all privileges) to make configuration changes to existing user accounts. Users that do not have user account change privileges or all privileges may use the Edit command to modify their password. To edit an existing user account, select the user account to be edited by scrolling through the account users name list until the user name of the user account to be edited is highlighted. Once the desired user account name is highlighted, select Edit to continue the editing process. Make any necessary changes to the account name, password (see the Changes Password subsection), and selected privileges. Once the desired changes have been made to the selected user account, select OK to complete the editing process. Selecting Cancel will abort the operation.

Copy

The Copy command enables a user with user account change privileges to copy an existing user account's configuration information to a new user account. To copy an existing user account's configuration a to new user account, select the user account to be copied by scrolling through the account users name list until the user name of the user account to be copied is highlighted. Once the desired user account name is highlighted, select Copy and then enter the new user name into the user name data entry field. The new user name may be any string of alphanumeric characters up to eight characters long excluding commas. Once the new user name is entered in the user name data field, select OK to complete the copying of the existing user account's configuration information to the new user account. Selecting Cancel will abort the copy operation.

Delete

The Delete command allows a user with user account change privileges (or all privileges) to delete existing user accounts. To delete an existing user account, select the user account to be deleted by scrolling through the account users name list until the user name of the user account to be deleted is highlighted. Once the desired user account name is highlighted, select Delete to continue the deletion process. Once Delete is selected, the Confirm Delete Window will open. Selecting Yes in the Confirm Delete Window will complete the deletion of the selected user account. Selecting No will abort the deletion of the selected user account.



Confirm Delete Window

Change Password

The Change Password command enables a user with user account change privileges (or all privileges) to add passwords to users accounts and to change user account passwords. To change the password associated with a user account, select the user account to be edited by scrolling through the account users name list until the desired user name is highlighted, then select Change Password. Selecting Change Password will open Password Window. Enter the desired user account password in the password data field. The user account password may be any string of alphanumeric characters up to eight characters long excluding commas. Once the desired user account password is entered in the password data field, select OK to continue the user account password configuration. Selecting Cancel will abort the password configuration operation.



Password Window

Selecting OK in the Password Window will open the Verify Password Window. Enter the exact same string of alphanumeric characters in the password data field of Verify Password Window as was entered in the password data field of the Password Window and select OK to complete the configuration of the user account password. Selecting Cancel will terminate the change password operation.



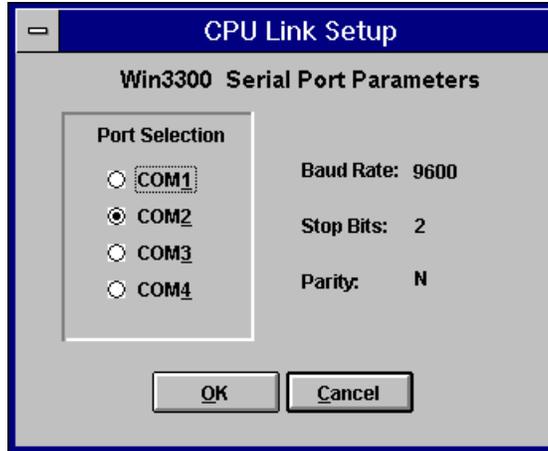
Verify Password Window

Exit

Selecting Exit in the User Account Window will return you to the Win3300 Window.

Communications

Selecting Communications from the System menu will open the CPU Link Setup Window. The information displayed to the system users in the CPU Link Setup Window is the communication port baud rate, number of stop bits, and parity. The CPU Link Setup Window enables the system users to select the system computer communication port they will be utilizing for CPU link communications.



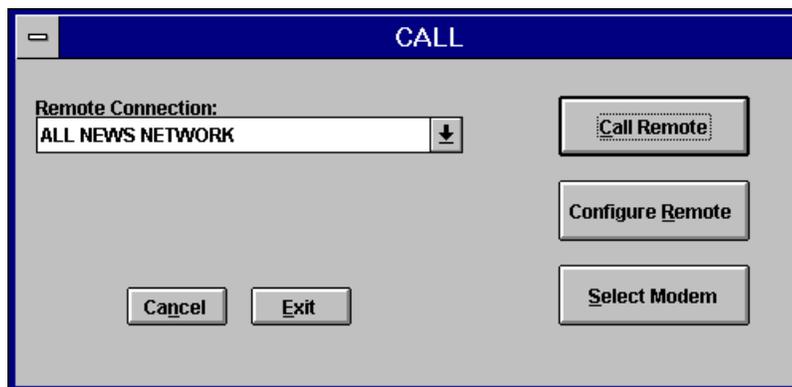
CPU Link Setup Window

Modem

The Win3300 Control System allows for the configuration of modems for purpose of communicating via modem with the 3300 Controller. Selecting Modem from the System menu will grant you access to three additional menu choices which will enable you to make remote connections to the system controller, disconnect from the remote system controller, and to configure a modem to function as the data exchange link between the system computer and the remote system controller. The additional menu choices available via the Modem menu selection are Call Remote, Hang Up, and Configure Remote. The selection and function of these menu choices is described in the following manual sections.

Call Remote

Selecting the Call Remote via the Modem selection in the System menu will open the Call Window. The command functions available in the Call Window are Call Remote, Configure Remote, Select Modem, Cancel, and Exit. The use of these command functions are described in the following manual subsections.



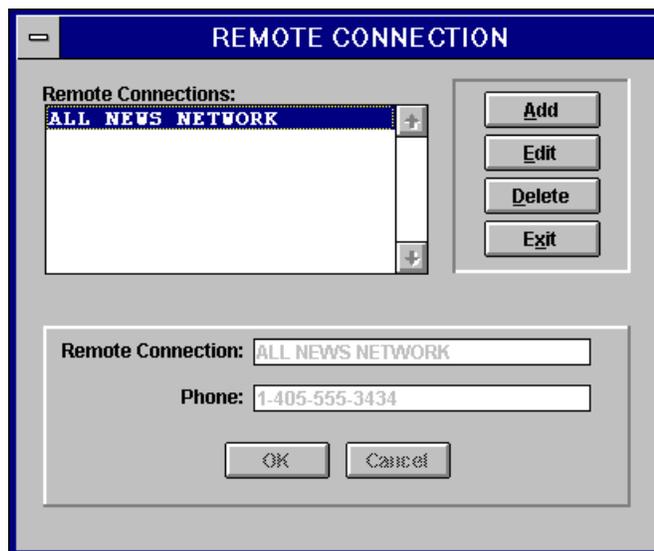
Call Window

Call Remote

The Call Remote command in the Call Window enables you to call a remote system controller via a configured modem. To place a call to a remote system controller, select the remote connection to be called by scrolling through the remote connection list until the name of the desired remote connection is highlighted. Once the desired remote connection name is highlighted, select Call Remote to complete the remote call process.

Configure Remote

The Configure Remote command in the Call Window enables you to configure a database of remote connections which are identified to the system configuration by name and telephone number. Selecting the Configure Remote command will open the Remote Connection Window. The command functions available in the Remote Connection Window are Add, Edit, Delete, and Exit. The data entry fields available in the Remote Connection Window are Remote Connection and Phone. The utilization and function of the Remote Connection Window's commands and data entry fields are described in the following paragraphs.



Remote Connection Window

Add

The Add command in the Remote Connection Window enables you to add a new remote connection. To add a new remote connection, select Add and enter the remote connection's name into the remote connection data field and the remote connection's phone number into the phone data field. Both the connection name and phone number can be up to twenty-five characters long. Each connection name must be unique. Once the relevant information is entered in the data fields, select OK to complete the addition of a new remote connection. Selecting Cancel will abort the addition of a new remote connection.

Edit

The Edit command allows you to make configuration changes to an existing remote connection. To edit a remote connection, select the remote connection to be edited by scrolling through the Remote Connections List until the name of the remote connection to be edited is highlighted. Once the desired user remote connection name is highlighted, select Edit to continue the editing process. Make any necessary changes to the remote connection name and phone number. Once the desired changes have been made to the selected remote connection, select OK to complete the editing process. Selecting Cancel will abort the operation.

Delete

The Delete command allows you to remove an existing remote connection from the system configuration. To delete a remote connection, select the remote connection to be deleted by scrolling through the Remote Connections List until the name of the remote connection to be deleted is highlighted. Once the desired user remote connection name is highlighted, select Delete to continue the deletion process. Selecting Delete will open the Confirm Delete Window.



Confirm Delete Window

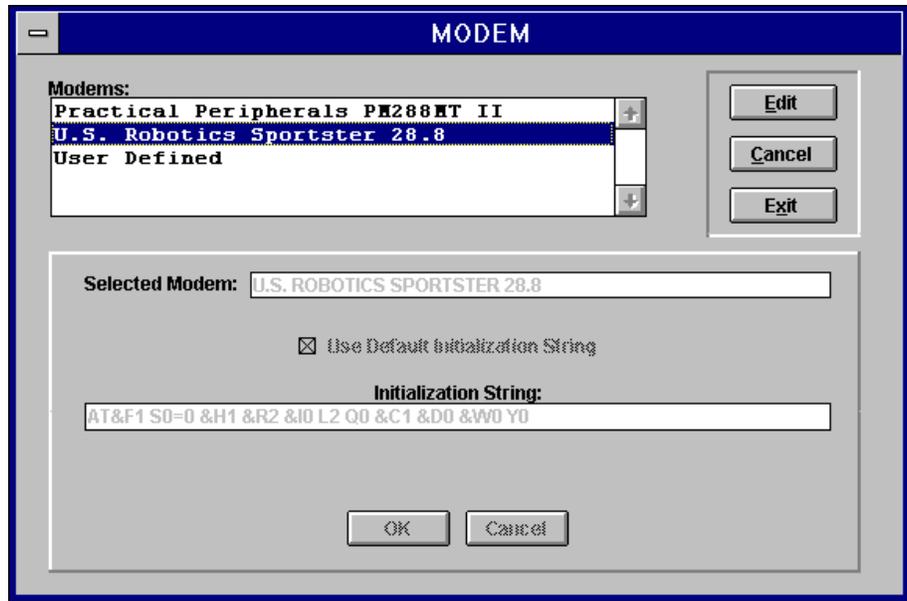
Selecting Yes in the Confirm Delete Window will delete the selected remote configuration. Selecting No will abort the delete operation.

Exit

Selecting Exit in Remote Connection Window will return you to the Call Window.

Select Modem

The Select Modem command in the Call Window enables you to select a modem to utilize for remote connections from a list of predefined modems or to configure a wide variety of modems using the user defined option from the Modems List. **NOTE:** If the selected modem is user defined refer to the selected modem's technical information for the correct initialization string. Selecting the Select Modem command will open the Modem Window. The command functions available in the Modem Window are Edit, Cancel, and Exit. The data entry fields available in the Modem Window are Selected Modem and Initialization String. The utilization and function of the Modem Window's commands and data entry fields are described in the following paragraphs.



Modem Window

To select a predefined modem from the Modems List, scroll through the Modems List until the name of the desired modem is highlighted. Once the desired modem name is highlighted, select Exit to complete the selection of a predefined modem and to return to the Call Window.

Edit

The Edit command allows you to make changes to a predefined modem or to define a user defined modem. To edit a predefined modem, select the modem to be edited by scrolling through the Modems List until the name of the modem to be edited is highlighted. If a user defined modem is being configured, select "User Defined" from the Modems List. Once the desired modem name is highlighted, select Edit to continue the editing process. Make any necessary changes to the modem name and initialization string. **NOTE:** The modem name of a predefined modem can not be edited and the initialization string can only be edited after "Use Default Initialization String" is unchecked. When a modem is user defined refer to the manufacturer's technical information for the proper initialization string. Once the desired changes have been made to the selected modem's configuration, select OK to complete the editing process. Selecting Cancel will abort the operation. Changes are retained only on the modem selected at the time the user selects Exit.

Cancel

The Cancel command enables you to return to the Call Window without saving any modem changes.

Exit

Once the desired modem is selected or desired changes have been completed, select Exit to save the modem selection and changes. Selecting Exit will also return you to the Call Window.

Cancel

Selecting Cancel in the Call Window will return you to the Win3300 Window without saving any changes to the remote connection selection.

Exit

Selecting Exit in the Call Window will save the selected remote connection as the current connection and return you to the Win3300 Window.

Hang Up

Selecting Hang Up via the Modem selection in the System menu will disconnect the current modem remote connection and return you to the Win3300 Window.

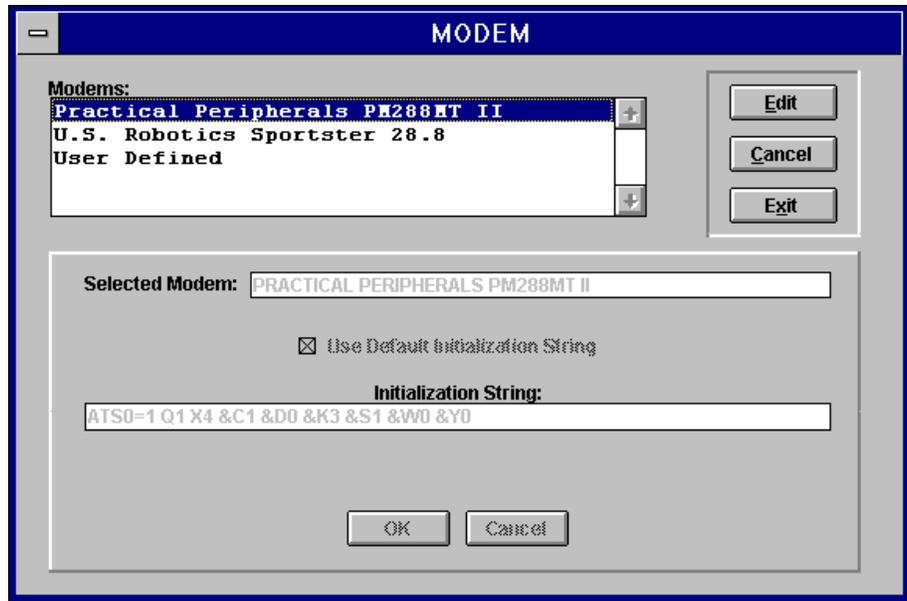
Configure Remote

Selecting Configure Remote via the Modem selection in the System menu will enable you to configure the remote modem connection that interfaces with the controller. Selecting Configure Remote will open the Remote Configuration Window. Please follow the instruction in the Remote Configuration Window and select OK. The communication port selection may be changed via the Communications selection of the System menu.



Remote Modem Configuration

Selecting OK in the Remote Configuration Window will open the Modem Window. The command functions available in the Modem Window are Edit, Cancel, and Exit. The data entry fields available in the Modem Window are Selected Modem and Initialization String. The utilization and function of the Modem Window's commands and data entry fields are described in the following paragraphs. **NOTE:** If the selected modem is user defined refer to the selected modem's technical information for the correct initialization string.



Modem Window

To select a predefined modem from the Modems List, scroll through the Modems List until the name of the desired modem is highlighted. Once the desired modem name is highlighted, select Exit to continue the modem configuration process.

Edit

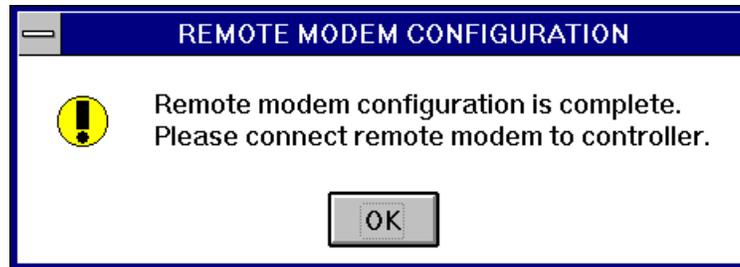
The Edit command allows you to make changes to a predefined modem or to define a user defined modem. To edit a predefined modem, select the modem to be edited by scrolling through the Modems List until the name of the modem to be edited is highlighted. If a user defined modem is being configured, select "User Defined" from the Modems List. Once the desired modem name is highlighted, select Edit to continue the editing process. Make any necessary changes to the modem name and initialization string. **NOTE:** The modem name of a predefined modem can not be edited and the initialization string can only be edited after "Use Default Initialization String" is unchecked. When a modem is user defined refer to the manufacturer's technical information for the proper initialization string. Once the desired changes have been made to the selected modem's configuration, select OK to complete the editing process. Changes are retained only on the modem selected at the time the user selects Exit. Selecting Cancel will abort the operation.

Cancel

The Cancel command enables you to return to the Win3300 without saving any modem changes.

Exit

Once the desired modem is selected, select Exit to complete the remote modem configuration process. When the configuration process is completed successfully the Remote Modem Configuration Complete Window will open. Please connect the remote modem to the system controller and select OK. Selecting OK will close the Remote Configuration Complete and return you to the Win3300 Window.



Remote Modem Configuration Complete Window

Configuration Failure

If the modem configuration process fails, the Remote Modem Configuration Failed Window will open. The Remote Modem Configuration Failed Window enables you to check your modem settings and connections and then attempt to configure the remote modem again. Selecting No in the Remote Modem Configuration Failed Window will return you to the Modem Window and enable you to check and edit the selected modem's settings or to select another modem. Selecting Yes will return you to the Win3300 Window.



Remote Modem Configuration Failed Window

Set User

Selecting Set User from the System menu will open the Set User Window. The Set User Window enables the current system user to edit the control system's user name. To edit the control system's user name enter the correct user name in the user name data field. The user name can be any string of alphanumeric characters up to eight characters long. Once the correct user name is entered, select OK to complete the user name editing process and to return to the Win3300 Window. Selecting Cancel will abort the process and return you to the Win3300 Window.



Set User Window

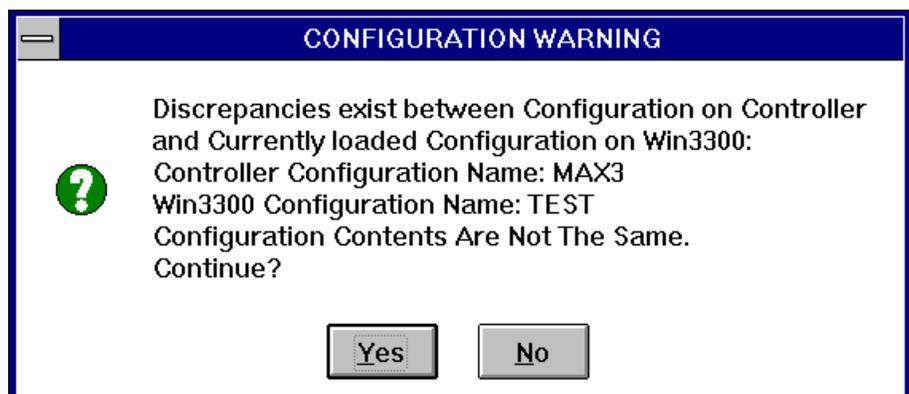
Router Operations

Introduction

Selecting the Router menu choice in the Win3300 Window enables you to gain access to the Router Status, Panel Status, Reentry Status, and Sync Ref Status menu choices. The selection and step-by-step guide through the execution of these menu choices are found in the following manual subsections.

Router Status

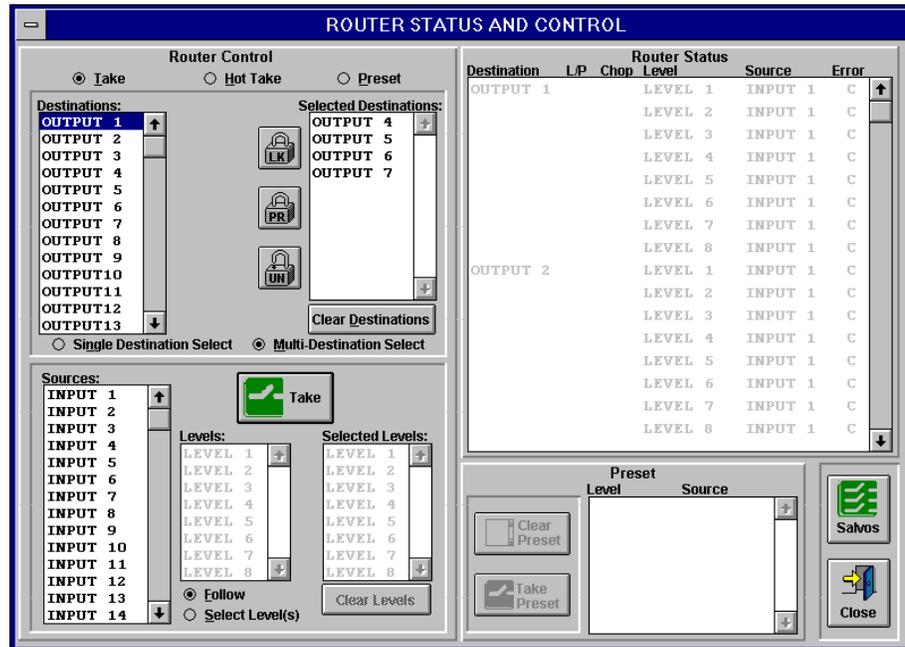
In general, the router status menu option provides the user with the current status on the router system as defined by the configuration on the controller. The status display is automatically updated as the router system status changes. Selecting the Status menu choice in the Router menu opens the Router Status and Control Window. Prior to this window opening, if the configuration on the controller is different from the configuration currently loaded in the Win3300 Control System, the Configuration Warning Window will appear.



Configuration Warning Window

The Configuration Warning Window will display the configuration names loaded on the controller and in the Win3300 Control System if they are different. If the configuration contents are different it will indicate this as well. If the user selects to continue, the Router Status and Control Window will status and act off the configuration loaded on the controller. If the user selects to not continue, the Router Status and Control Window is not invoked.

The command functions in the Router Status and Control Window provide the ability to execute takes and hot takes on single or multiple destinations with either audio-follow-video or breakaway switching. The Router Status and Control Window command functions also provide the ability to configure preset information in the preset mode of operation and to execute salvos in the salvo mode of operation. The following manual subsections describe the operation and behavior of the Router Status and Control Window in each of the three modes of operation (Take, Hot Take and Preset). Within each of these subsections there is a reference to Destination Block, Source Block, and Preset Block. In this context, Destination Block refers to the portion of the Router Status and Control Window that contains the Destination List; Selected Destinations List; and the Lock, Protect, Unlock/Unprotect, Clear Destinations, Single Destination Select, and Multi-Destination Select buttons. The Source Block refers to the portion of the Router Status and Control Window that contains the Sources List; Levels List; Selected Levels List; and the Take, Follow, Select Levels, Clear Levels buttons. The Preset Block refers to the portion of the Router Status and Control Window that contains the Preset's contents listed by level and source, the Clear Preset Button, and the Take Preset Button. The final Router Status and Control Window subsection describes what happens when the Salvo Button is invoked.



Router Status and Control Window (Take Mode)

Take Mode

When the Router Status and Control Window opens, the router control mode of operation is set to Take and the levels mode of operation is set to Follow. The destination select mode is set to Single Destination Select. Given these default conditions, to take a switch, select the destination desired (or destinations desired if the destination select mode is switched to the Multi-Destination Select Mode) by double clicking on the destination in the Destinations List. The destination then appears in the Selected Destinations List. Then select a source to be switched to the selected destination(s) by clicking on the desired source in the Sources List. To complete the take action click on the Take Button. In the Take Mode it does not matter if a source or destination(s) are selected first. The switch command does not occur until the Take Button is clicked on.

When the Take Button is clicked on, a switch is made based on the selected source in the Sources List, the selected destination(s) displayed in the Selected Destinations List, and only on the levels listed in the Selected Levels List. The result of taking a switch (or switches in the case of multiple destinations) will be displayed in a message which indicates the action and whether or not it was successful.

Destination Block (Take Mode)

Either the Single Destination Select Mode or the Multi-Destination Select Mode may be selected in the Take Mode of operation. If the Single Destination Select Mode is selected the Clear Destinations Button is disabled. If the Multi-Destination Select Mode is selected the Clear Destinations Button is enabled.

In the Single Destination Select or Multi-Destination Select Modes of operation, a single click on a destination in the Destinations List refreshes the Router Status Display so that the selected destination and its status appears in the Router Status Display.

In the Single Destination Select Mode when a destination is selected (via a double mouse click) from the Destinations List, the destination that is selected appears in the Selected Destinations List. If a destination already exists in the Selected Destinations List, it is replaced by the newly selected destination. In the Multi-Destination Select Mode when a destination is selected (via a double mouse click) from the Destinations List, the destination that is selected is added to the Selected Destinations List at the bottom of the list. In either the single or multi-select mode of operation, if a destination in the Selected Destinations List is doubled clicked on, it is removed from the Selected Destinations List. In the multi-select mode, clicking on the Clear Destination Button removes all destinations from the Selected Destinations List.

If the Lock or Protect Buttons are clicked on, the lock or protect operation is performed on all destinations in the Selected Destinations List. If the Lock Button is selected, all destinations in the Selected Destinations List will be set to lock regardless of their current status. If the Protect Button is selected, all destinations in the Selected Destinations List will be set to protect regardless of their current status. If the Unlock/Unprotect Button is selected, all destinations in the Selected Destinations List will be cleared of any lock or protect status regardless of their current status. The result of taking one of these actions is displayed in a message indicating the action and whether or not it was successful.

Source Block (Take Mode)

Upon entry into the Router Status and Control Window, the Sources List is enabled, the Follow Mode is selected, and the Take Button is displayed and enabled. In the Follow Mode the Levels List, the Selected Levels List, and Clear Levels Button are all disabled. However, all existing levels are listed in both the Levels List and the Selected Levels List.

When the mode is changed from the Follow Mode to the Selected Levels Mode, the Levels List is enabled, the Selected Levels List is enabled and blanked out, and the Clear Levels Button is enabled. One or more levels may be selected in the Levels Select Mode. As levels are selected (via doubling clicking on the desired levels in the Levels List), the level is added to the Selected Levels List in level order.

Likewise, levels may be removed from the Selected Levels List by doubling clicking on the level in the Selected Levels List to be removed. Clicking on the Clear Button will remove all levels in the Selected Levels List. Remember that switches are made only on those levels that appear in the Selected Levels List.

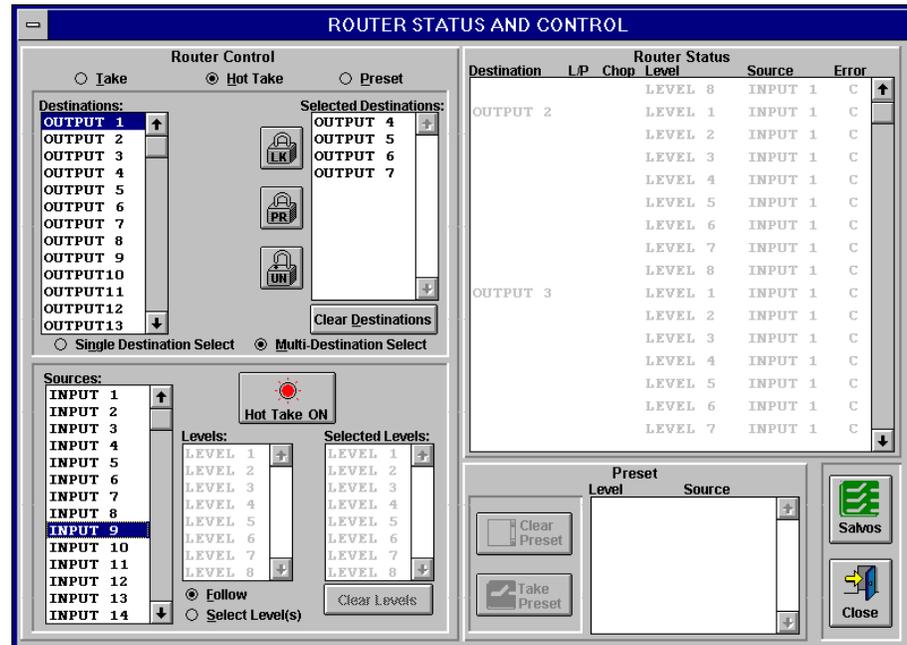
When the mode is changed from the Selected Levels Mode to the Follow Mode, the Levels List, the Selected Levels List, and the Clear Levels Button are disabled. The Selected Levels List is refreshed so that all levels are listed.

Preset Block (Take Mode)

In the Take Mode, the Clear Preset and Take Preset buttons are disabled. No preset actions are allowed in the Take Mode.

Hot Take Mode

When the Router Status and Control Window opens, the router control mode of operation is set to Take and the levels mode of operation is set to Follow. To enter the Hot Take Mode, select Hot Take.



Router Status and Control Window (Hot Take Mode)

To take switches in the Hot Take Mode, select the desired destination if in Single Destination Select Mode or desired destinations if in Multi-Destination Select Mode by double clicking on the desired destination(s) in the Destinations List. Once the desired destination(s) are selected, select a source to be switched to the selected destination(s). *The desired source is selected by double clicking on the desired source in the Sources List. The source selection is the event that triggers the switch command in the Hot Take Mode. Therefore, unlike in the Take Mode, the order in which the destination(s) and source is selected is critical. Destination(s) must be selected before the source is selected. Be sure to have the desired levels selected as well.*

When a source is selected (via a double click on the desired source in the Sources List), a switch is made based on the selected source in the Sources List, the selected destination(s) displayed in the Selected Destinations List, and only on the levels listed in the Selected Levels List. The result of taking a switch (or switches in the case of multiple destinations) will be displayed in a message indicating the action and whether or not it was successful.

Destination Block (Hot Take Mode)

The behavior of the Destination Block in the Hot Take Mode is the same as in the Take Mode.

Source Block (Hot Take Mode)

Upon entry into the Hot Take Mode (the Hot Take Mode is entered by selecting Hot Take), the Sources List is enabled and the Hot Take Button is displayed and enabled. The selection for the Follow Mode or Selected Level(s) Mode remains the same as it was prior to entering the Hot Take Mode. In the Follow Mode the Levels List, the Selected Levels List, and Clear Levels Button are all disabled. However, all existing levels are listed in both the Levels List and the Selected Levels List.

When the mode is changed from the Follow Mode to the Selected Levels Mode, the Levels List is enabled, the Selected Levels List is enabled and blanked out, and the Clear Levels Button is enabled. One or more levels may be selected in the Levels Select Mode. As levels are selected (via doubling clicking on the desired levels in the Levels List), the level is added to the Selected Levels List in level order. Likewise, levels may removed from the Selected Levels List by doubling clicking on the level to be removed. Clicking on the Clear Button will remove all levels in the Selected Levels List. Remember that switches are made only on those levels that appear in the Selected Levels List.

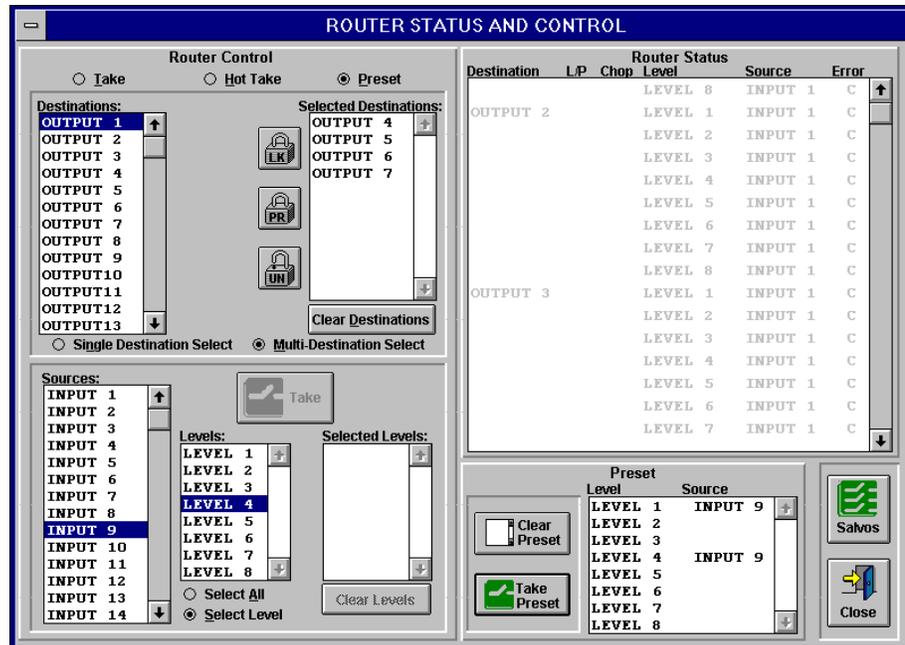
When the mode is changed from the Selected Levels Mode to the Follow Mode, the Levels List, the Selected Levels List, and the Clear Levels Button are disabled. The Selected Levels List is refreshed so that all levels are listed.

Preset Block (Hot Take Mode)

In the Hot Take Mode, the Clear Preset and Take Preset buttons are disabled. No preset actions are allowed in the Hot Take Mode.

Preset Mode

When the Router Status and Control Window opens, the router control mode of operation is set to Take and the levels mode of operation is set to Follow. To enter the Preset Mode, select Preset. Upon selecting the Preset Mode, the levels mode is set to Select Level.



Router Status and Control Window (Preset Mode)

To build the Preset List in the Select Level Mode, select a source from the Sources List, then double click on a level in the Levels List. The act of selecting a level updates the Preset List. Remember that the Selected Levels List is not active in the Preset Mode. A source in the Preset List may be blanked out by double clicking on the desired source entry in the Preset List. The entire Preset List may be reset by selecting the Clear Preset Button. If the level mode is switched from the Select Level Mode to the Select All Mode, then a source is selected from the Sources List by double clicking on the desired source, the Preset List is updated with the selected source on all levels. In the Select All Mode, the act of selecting a source updates the Preset List.

To take a switch in the Preset Mode, select the destination (Single Destination Select Mode) or destinations (Multi-Destinations Select Mode) desired, then build the Preset List as described in the previous paragraph. To perform a Take on the Preset List click on the Preset Take Button. In actuality, as in the Take Mode, it does not matter if the Preset List is built before the desired destination(s) are selected. The switch command does not occur until the Preset Take Button is clicked on.

When the Preset Button is clicked on, a switch is made based on the contents of the Preset List and the selected destination(s) displayed in the Selected Destinations List. The result of the switch (or switches in the case of multiple destinations) is displayed in a message that indicates the action taken and whether or not it was successful.

Destination Block (Preset Mode)

The behavior of the Destination Block in the Preset Mode is the same as in the Take Mode.

Source Block (Preset Mode)

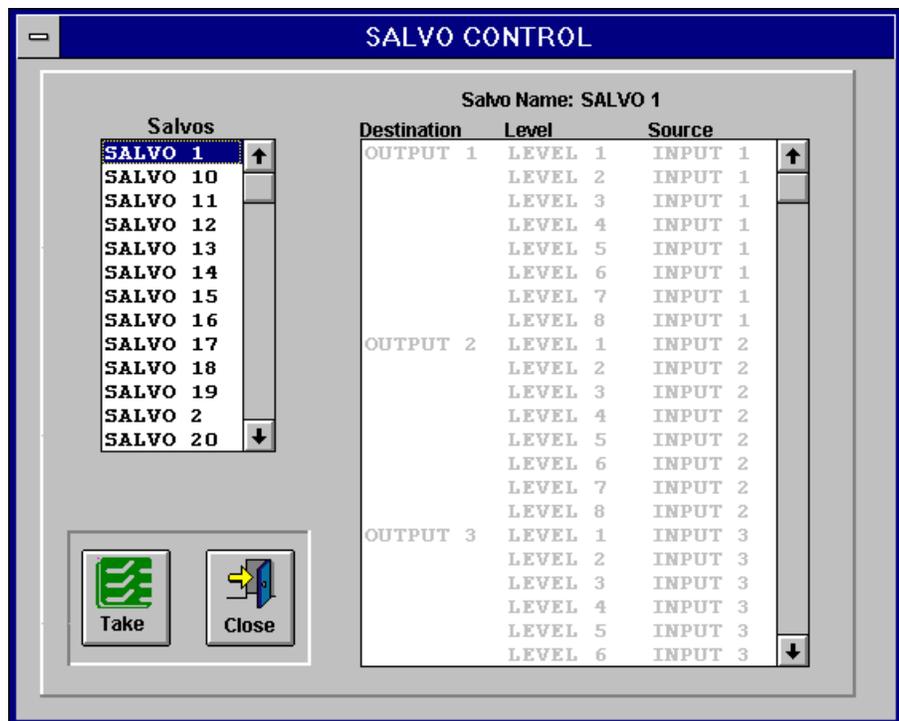
Upon entry into the Preset Mode, the Take Button is displayed but is disabled. In the Preset Mode the Follow Mode and Selected Levels Mode configuration choices are replaced by the Select All Mode and Select Level Mode configuration choices. The default choice is the Select Level Button. The Levels List is enabled. The Selected Levels and the Clear Levels Button are disabled. The Selected Levels List is blank. If the levels mode is switched to the Select All Mode, the Levels List is disabled, the Selected Levels List remains blank and disabled, and the Clear Levels Button remains disabled.

Preset Block (Preset Mode)

In the Preset Mode, the Clear Preset Button and the Take Preset Button are enabled.

Salvo

Selecting the Salvo Button in the Router Status and Control Window opens the Salvo Control Window. The user may choose to take a salvo or view the contents of the listed salvos. To view the contents of a salvo, the user may click on the desired salvo in the Salvos List. The display to the right of the Salvos List will be refreshed to show the contents of the selected salvo.



Salvo Control Window

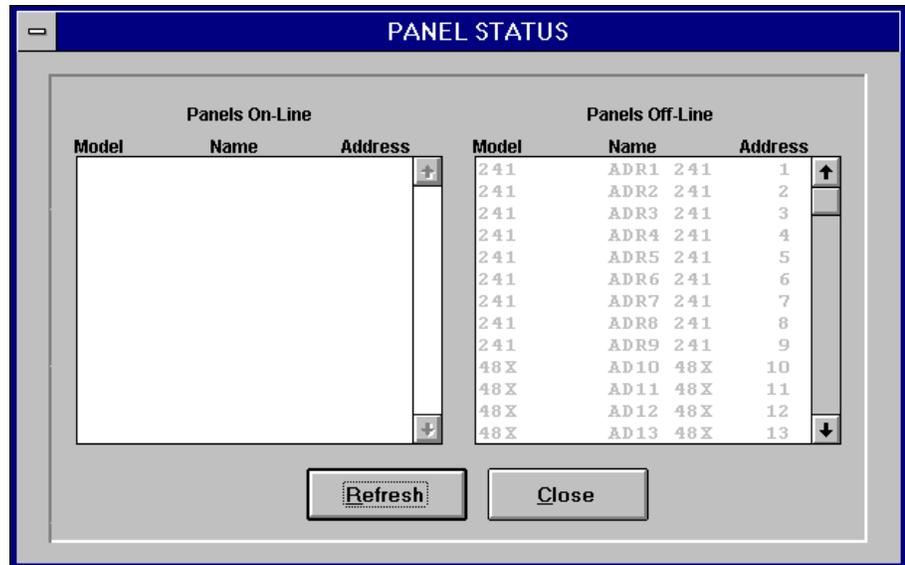
To take a salvo, select the desired salvo to be executed by scrolling through the Salvos List until the name of the desired salvo is highlighted. Once the desired salvo name is highlighted, click on the Take Button to complete the execution of the selected salvo. A message will be displayed that indicates the action taken and whether or not the action was successful. Once all desired salvo take actions are completed, exit from Salvo Control Window and return to the Router Status and Control Window by clicking on the Close Button.

Close

Selecting the Close Button in the Router Status and Control Window will return you to the Win3300 Window.

Panel Status

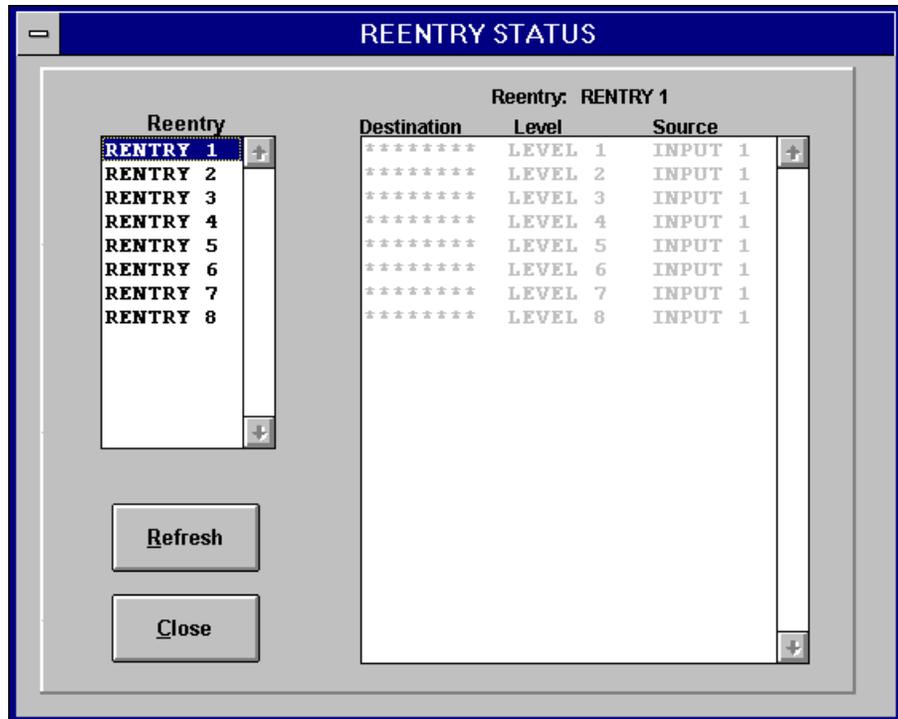
Selecting the Panel Status menu choice in the Router menu opens the Panel Status Window. The Panel Status Window allows the user to observe which control panels are on and off line. The Panel Status Window displays each remote control panel's model, name, and address. The active control panels are displayed in the Panels On-Line List and the inactive control panels are displayed in the Panels Off-Line List. Both lists can be scrolled in order to locate the desired control panel's status. Selecting Refresh refreshes the on and off line lists in the event their status has changed. Selecting Close will return you to the Win3300 Window.



Panel Status Window

Reentry Status

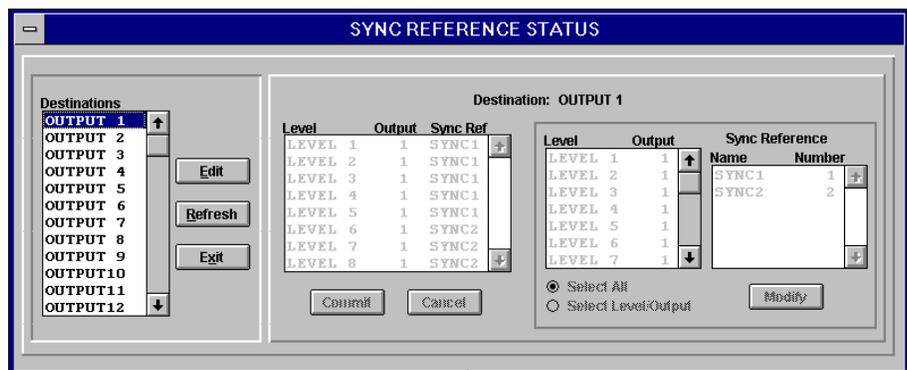
Selecting the Reentry Status menu choice in the Router menu opens the Reentry Status Window. The Reentry Status Window allows the observation of the control system's reentry configurations. The Reentry Status Window displays destinations and sources by level associated with the selected reentry. To select a reentry, scroll through the Reentry List until the desired reentry is highlighted or click on the desired reentry name. The selected reentry's status information will be displayed in the Reentry Status Window. Selecting Refresh refreshes the reentry status in the event that the reentry status has changed. Selecting Close will return you to the Win3300 Window.



Reentry Status Window

Sync Ref Status

Selecting the Sync Ref Status menu choice in the Router menu opens the Sync Reference Status Window. The Reentry Status Window enables the association or commitment of a selected destination, either on all levels or a selected level, with the selected sync. The main command functions available in the Sync Reference Status Window are Edit, Refresh, and Exit. The additional command functions available in the Sync Reference Status Window are Commit, Modify, and Cancel. In addition to these commands, there is a selection for either selecting all levels or for selecting a designated level and output. The use and function of the commands and selections found in the Sync Reference Status Window are described in the following manual subsections.



Sync Reference Status Window

Edit

To edit the association of a destination with a reference sync, scroll the Destinations List until the desired destination name is highlighted or click on the desired destination name if it is currently visible. Once the desired destination is selected, click Edit to continue the editing process. To associate the selected destination with the selected sync reference on all levels, click on Select All and then select the desired sync reference. Once the desired sync reference is selected, select Modify and then Commit to complete the editing process. The selected destination will now be associated with the selected sync reference on all levels. To associate the selected destination with a selected sync on selected levels, click on Select Level/Output and then scroll through the Level List until the level name of the level to be modified is highlighted or click on the desired level name if it is currently visible. Once the desired level is selected, select the desired sync reference by clicking on the desired sync reference name and then select Modify. Continue selecting levels, sync references, and then Modify until all necessary association changes are completed. Once all changes are completed, select Commit to complete the editing process. The selected destination will now be associated with the selected sync reference on selected levels.

Refresh

The Refresh command refreshes the sync reference status in the event that the sync reference status has changed.

Exit

Selecting Exit in the Sync Reference Window will return you to the Win3300 Window.

System Configuration

Introduction

Selecting the Configuration menu choice in the Win3300 Window enables you to gain access to the Configuration Information, Level, Component, Category, Index, Source, Destination, Reentry, Sync Reference, Salvo, Panel, and CPU Link menu choices. The Configuration menu choices allow you to build an individualized configuration that is only restricted by the operating limits of the 3300 Controller and the operating limits of the selected configuration items. The selection and step-by-step guide through the execution of the Configuration menu choices are found in the following manual subsections.

Configuration Information

Selecting the Configuration Information from the Configuration menu will open the Configuration Information Window. The Configuration Information Window provides information on the configuration currently loaded in the Win3300 Control System. The Configuration Information Window lists the current configuration's owner, last save (date and time), system, and database version. The Configuration Information Window also displays the current configuration's number of configured levels, components, sources, destinations, reentries, and panels. The Configuration Information Window also provides the ability to name or change the name of the current configuration and to set the panel chop rate. The user may also choose to password protect the configuration.

Configuration Information	
Configuration Name:	MAX3
Chop Rate:	1
<input checked="" type="checkbox"/> Password Protected	
Last Saved by: CJAYNES	
Last Saved: 09/09/96 10:04:25	
System: Win3300	
Database Version: 3.0	
Number of Levels: 8	
Number of Components: 16	
Number of Sources: 160	
Number of Destinations: 160	
Number of Reentries: 8	
Number of Panels: 122	

Configuration Information Window

The configuration name can consist of up to twenty printable characters except commas. To name or rename the current configuration enter the desired name into the Configuration Name Data Field and select OK. Selecting OK will change the configuration name, if a new name has been entered into the Configuration Name Data Field, and return you to the Win3300 Window. Selecting Cancel will abort the operation, ignoring any changes that have been made, and return you to the Win3300 Window.

The chop rate is the number used by the control system to adjust the time between switches during a chop operation at a control panel. The time between switches is the reference frame rate divided by the chop rate number. For example, using the default chop rate of 1 causes 30 switches a second on an NTSC system (25 a second on a PAL system). A chop rate of 60 causes one switch every two seconds on an NTSC system (one every three seconds on a PAL system). The range of chop rates the Win3300 Control System can be configured for is listed in the Win3300 General Statistics Table.

To change the current configuration's chop rate enter the desired chop rate into the Chop Rate Data Field and select OK. Selecting OK will change the current configuration's chop rate, if a new chop rate has been entered into the Chop Rate Data Field, and return you to the Win3300 Window. Selecting Cancel will abort the chop rate configuration operation and return you to the Win3300 Window.

To password protect the current configuration, check Password Protected Box in the Configuration Information Window. Checking the Password Protected Box will open the Password Window. Enter the desired password (any string of alphanumeric characters up to eight characters long, lower case letters are automatically converted to upper case) into the Password Data Field and select OK to proceed. Selecting Cancel will abort the password selection operation.



Password Window

Selecting OK in the Password Window will open the Verify Password Window. Enter the same alphanumeric character string in the Verify Password Window's Password Data Field as in the Password Window and then select OK to complete the selection of a configuration password and to return to the Configuration Information Window. Selecting Cancel in the Verify Password Window will abort the selection of a password.

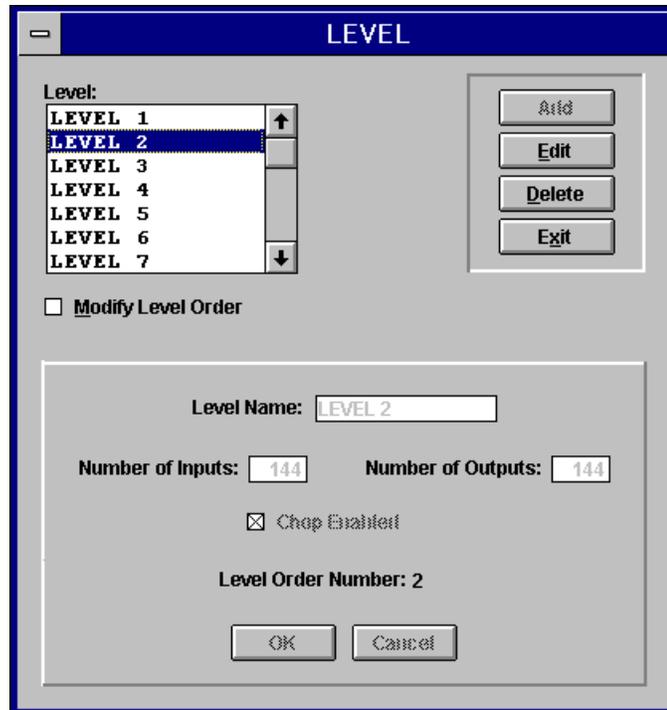


Verify Password Window

Upon selecting OK in the Verify Password Window, the Configuration Information Window opens. Selecting OK in response to the Configuration Information will change current configuration's password, if a new password has been assigned, and return you to the Win3300 Window. Selecting Cancel will abort the operation.

Level

Selecting Level from the Configuration menu will open the Level Window. The maximum number of levels the Win3300 Control System can be configured is defined in the Win3300 General Statistics Table.



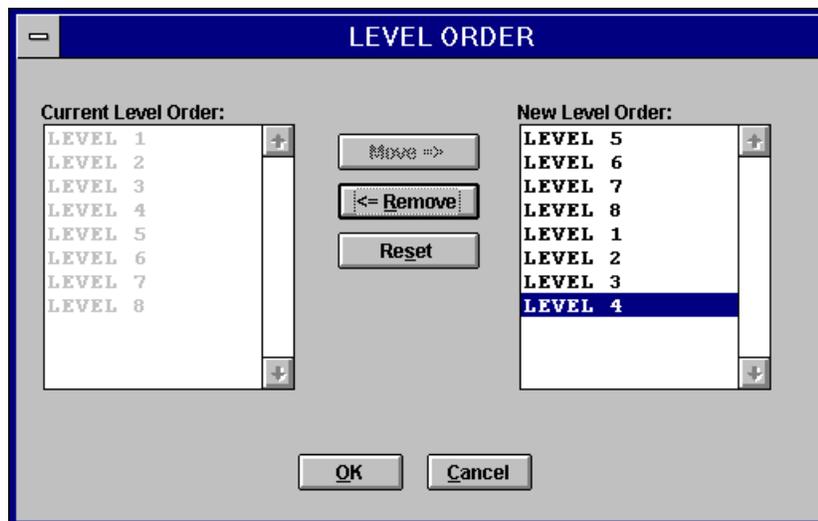
Level Window

The Level Window gives you the options of adding, editing, and deleting levels. If more than one level exists, you can also change the order of the levels by selecting Modify Level Order. The use of these commands is described in the following manual subsections.

The data fields available to you in the Level Window are Level Name, Number of Inputs, Number of Outputs, and Chop Enabled. As you select a level, these fields are updated to show the respective contents for the selected level. The level name can be any eight alphanumeric characters including spaces but all levels names must begin with an alphabetical character. Level names must also be unique. The maximum number of inputs or outputs per level is listed in the Win3300 General Statistics Table. The chop enabled selection enables you to allow chopping for the selected level will be subject to chopping. Chop Enable should usually be selected for video levels and should not be selected for audio levels.

Modify Level Order

Selecting the Modify Level Order command opens the Level Order Window. The Move, Remove, and Reset commands in the Level Order Window allow you to assign different level orders to levels by creating a New Level Order List. This is accomplished by selecting level names on the Current Level Order List and moving them to the New Level Order List in the desired sequence. Moving a level from the Level Order List is accomplished by selecting the level and then the Move button, or by double clicking on the level. Selecting Remove allows you to remove a selected name from the New Level Order List if a mistake was made. A remove may also be accomplished by double clicking on the level to be removed. Selecting Reset will remove all level names from the New Level Order List. If a level is selected to be moved from the Current Level Order List to the New Level Order List and it already exists in the New Level Order List a “Duplicate Entry” message will appear. The Modify Level Order selection process is not considered completed until all levels in the Current Level Order List also appear in the New Level Order List. If the list is not complete, and you click on OK; a message appears, “All Levels Have Not Been Reordered”. Once the New Level Order List is completed, selecting OK causes each level’s definition to be updated with the newly assigned level order number. The number is implied by the level’s position in the New Level Order List. Level ordering is particularly relevant as to how panels display information. Selecting OK will also return you to the Level Window. Selecting Cancel will abort the entire operation and will return you to the Level Window.



Level Order Window

Add

The Add command enables you to add new levels to the system configuration. To add a level select Add and then enter the desired level name, number of inputs, and number of outputs information into the data entries fields. Select Chop Enabled if the sources and destinations associated with the level are to be capable of being chopped.

The data entry fields can either be tabbed through or selected using a pointing device. Once the desired information is entered into the data fields, select OK to complete the addition of a new level. Selecting Cancel will abort the operation.

As a new level is added, the level list will update to include the new level's name. The Level Order Number Field reflects the selected level's order number. This number is assigned automatically when a level is added. Level order can be modified using the Modify Level Order Window.

Edit

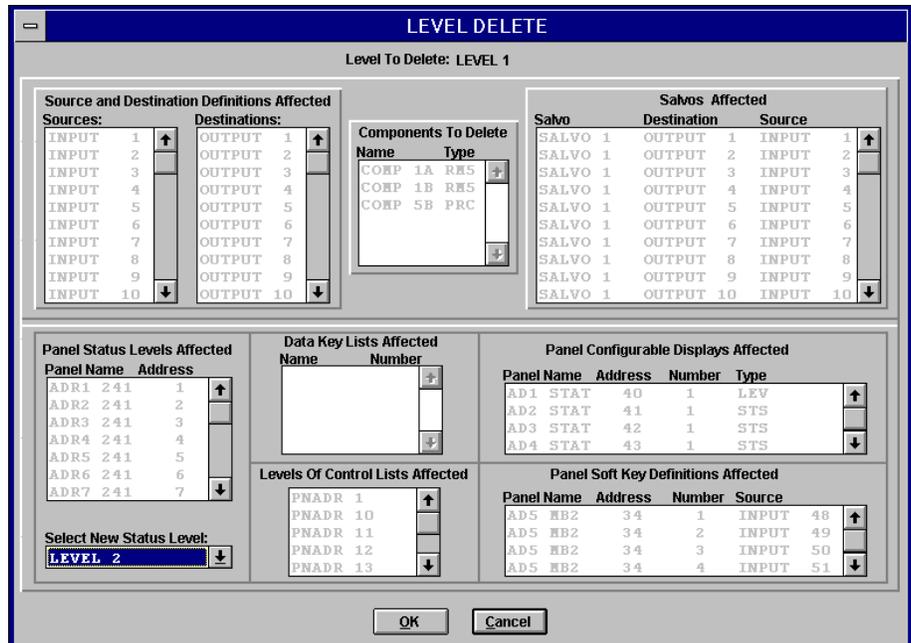
The Edit command allows you to edit an existing level's configuration information. To edit a level select the level to be edited by scrolling through the levels name list until the level name of the level to be edited is highlighted. Once the desired level name is highlighted, select Edit to continue the editing process. Tab through the data entry fields and change or correct the level configuration information. Once the desired information is entered into the data fields, select OK to complete the editing process. Selecting Cancel will abort the operation.

If a level is edited such that the number of inputs/outputs is now **greater than** it was previously and the sum of the new input and/or output number plus the component offset of any components associated with the edited level is greater than the maximum component offset for that component type, a Component Offset Warning Window is displayed which lists the affected components. You may respond OK or Cancel to the Component Offset Warning Window. If OK is selected, the level edit action is taken. Selecting Cancel will abort the edit operation.

If a level is edited such that the number of inputs/outputs is now **less than** it was previously and the new number is less than an input/output number defined for a source/destination on the edited level, a Source/Destination Impact Warning Window is displayed which lists the impacted sources/destinations. You may respond OK or Cancel to the Source/Destination Impact Warning Window. If OK is selected, the entries for those source/destinations on the edited level will be deleted, and the level edit action taken. Selecting Cancel will abort the edit operation.

Delete

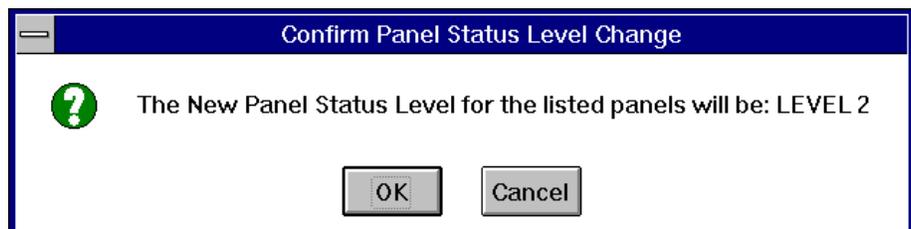
The Delete command enables you to delete a level. Choosing to delete a level on a fully configured system has significant implications on all items to which the level is associated. To delete a level select the level to be deleted by scrolling through the levels name list until the level name of the level to be deleted is highlighted. Once the desired level name is highlighted, select Delete. Selecting Delete will open the Level Delete Window, which displays all of the potentially impacted items. If there are no impacted items, such as is the case with a new configuration, the Confirm Delete Window will be displayed instead.



Level Delete Window

The Level Delete Window displays all items that will be affected by the selected level being deleted including components, sources, and destinations affected. Specifically, deleting a level results in the following: (1) the deletion of the part of a source's or destination's definition on that level; (2) the deletion of any components associated with that level; (3) the deletion of any salvo entries defined on that level; (4) the blanking out of the status level for any panels having the selected level as the status level; (5) levels of control lists containing the selected level will have it deleted from their lists; (6) any panels with configurable displays (i.e. RCP-STAT Control Panels) with the selected level as part of their display will be blanked out; and (7) any panels with soft keys defined on the selected level will have the entry for the selected level deleted.

NOTE: Panels that require a status level but do not have one assigned will not transfer over the CPU Link to the controller.



Confirm Panel Status Level Change Window

Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

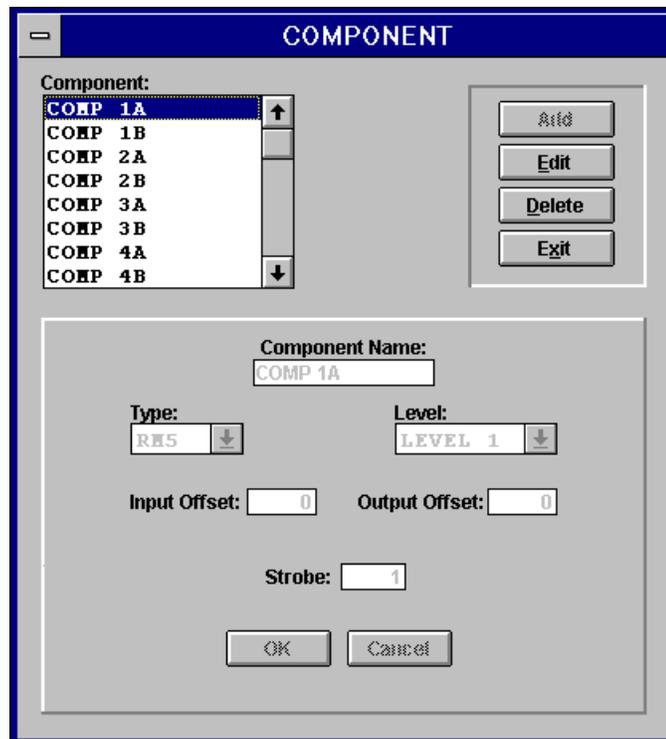
Selecting Yes in the Confirm Delete Window will delete the selected level. Selecting No will abort the entire delete operation.

Exit

Selecting Exit from the Level Window will return you to the Win3300 Window.

Component

Selecting Component from the Configuration menu will open the Component Window. In the event that no levels are defined a configuration error message box appears stating, "A Level Must Exist Before a Component May Be Defined". The maximum number of components is specified in the Win3300 General Statistics Table. The Component Window gives you the options of adding, editing, and deleting components. The use of these commands are described in the following manual subsections.



Component Window

The data fields available to you in the Component Window are Component Name, Component Type (RM5 or PRC), Level, Input Offset, Output Offset, and Strobe. As you select a component, these fields are updated to show the respective contents for the selected component. The component name can be any eight alphanumeric characters including spaces but all component names must begin with an alphabetical character. All component names must be unique. The type selection enables you to classify components as either RM5 devices (System 5) or PRC devices (Cougar). The level selection enables you to select the level that will be associated with the component being configured. The input and output offset data fields allow you to configure the placement of the component within your switching system. The input and output offset ranges for RM5 and PRC devices are specified in the Win3300 General Statistics Table.

The strobe data field enables you to determine the strobe signal upon which a specified component will trigger. The strobe ranges for RM5 and PRC devices are specified in the Win3300 General Statistics Table.

Add

The Add command enables you to add new components to the system configuration. To add a component select Add and then enter the desired component name. Once the component name is entered, select the component type and the level associated with the component and then enter the desired input offset, output offset, and strobe information. Once the desired information is entered into the data fields, select OK to complete the addition of a new component. Selecting Cancel will abort the operation. As a new component is added the component list will update to include the new component's name.

Edit

The Edit command allows you to edit an existing component's configuration information. Select the component to be edited by scrolling through the components name list until the component name of the component to be edited is highlighted. Once the desired component name is highlighted, select Edit to continue the editing process. Tab through the data entry fields and change or correct the component configuration information. Once the desired information is entered into the data fields, select OK to complete the editing process. Selecting Cancel will abort the operation.

Delete

The Delete command enables you to delete a component. Select the component to be deleted by scrolling through the components name list until the component name of the component to be deleted is highlighted. Once the desired component name is highlighted, select Delete. Selecting Delete will open the Confirm Delete Window. Selecting Yes in the Confirm Delete Window will delete the selected component. Selecting No will abort the entire delete operation.



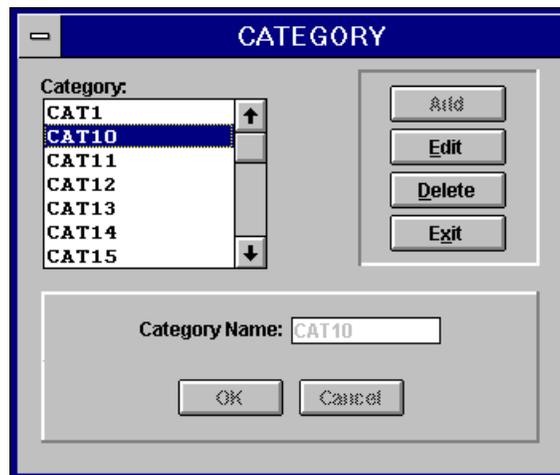
Confirm Delete Window

Exit

Selecting Exit from the Component Window will return you to the Win3300 Window.

Category

Selecting Category from the Configuration menu will open the Category Window. The maximum number of categories is specified in the Win3300 General Statistics Table. Categories, along with indexes, provide the basis by which source, destination, and reentry names are built. The Category Window gives you the options of adding, editing, and deleting categories. The use of these commands are described in the following manual subsections.



Category Window

Categories are defined by entering a category name in the Category Name Data Field. The category name can be up to six alphanumeric characters but all category names must begin with an alphabetical character. All category names must be unique. Spaces cannot be used in category names.

Add

The Add command enables you to add new categories to the system configuration. To add a category select Add and then enter the desired category name. Once the category name is entered, select OK to complete the addition of a new category. Selecting Cancel will abort the operation. As a new category is added, the category list is updated to include the new category's name.

Edit

The Edit command allows you to edit an existing category's configuration information. Select the category to be edited by scrolling through the categories name list until the category name of the category to be edited is highlighted. Once the desired category name is highlighted, select Edit to continue the editing process. Change the category name to the desired name. Once the desired category name is entered into the Category Name Data Field, select OK to complete the editing process. Selecting Cancel will abort the operation. **NOTE:** Editing a category name will alter the name of the sources, destinations, and reentries that use that category name to the newly edited name.

Delete

The Delete command enables you to delete a category. As was the case with levels, deleting a category on a fully configured system may have significant implications on all items with which the category is associated. Select the category to be deleted by scrolling through the categories name list until the category name of the category to be deleted is highlighted. Once the desired category name is highlighted, select Delete. Selecting Delete will open the Category Delete Window which displays all of the potentially impacted items. If there are no impacted items (such as is the case with a new configuration) the Confirm Delete Window will be displayed instead.

Category To Delete: CAT10

Name	Type

Salvo	Destination	Source	Level

Panel Name	Address

Name	Number	Type
PNADR 50	10	CAT
PNADR 51	10	CAT
PNADR 53	10	CAT
PNADR 60	10	CAT
PNADR 61	10	CAT

Panel Name	Address	Number	Type

Name	Type

Panel Name	Address	Number	Type	Level

OK Cancel

Category Delete Window

The Category Delete Window displays all items that will be affected by the selected category being deleted including panel configuration items, sources, and destinations affected. Specifically, deleting a category results in the following: (1) the deletion of any sources, destinations, or reentries whose name contains the category name as part of their name; (2) the deletion of any salvo entries that contain sources or destinations that use the category name; (3) the blanking out of the default destination for any panels using a destination that uses the category name; (4) the deletion of any entries in any data key lists or include lists that use the category name by itself or as part of a source or destination name; (5) the blanking out of any panels with configurable displays (i.e. RCP-STAT Control Panels) containing destinations that contain the category name; and (6) the deletion of any entries in any soft key lists that use the category name as part of a source or destination name.

Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

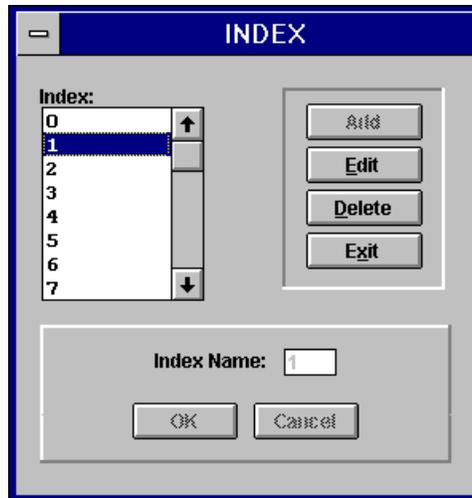
Selecting Yes in the Confirm Delete Window will delete the selected category. Selecting No will abort the entire delete operation.

Exit

Selecting Exit from the Category Window will return you to the Win3300 Window.

Index

Selecting Index from the Configuration menu will open the Index Window. The maximum number of indexes is specified in the Win3300 General Statistics Table. The Index Window gives you the options of adding, editing, and deleting indexes. The use of these commands is described in the following manual subsections.



Index Window

Indexes are defined by entering an index name in the Index Name Data Field. The index name can be any single alphanumeric character with the exception of “0” (zero) which is a default index that may not be changed. If you try to edit or delete the “0” entry, an error message will appear. All index names must be unique.

Add

The Add command enables you to add new indexes to the system configuration. To add an index select Add and then enter the desired index name in the Index Name Data Field. Once the index name is entered, select OK to complete the addition of a new index. Selecting Cancel will abort the operation. As a new index is added the index list is updated to include the new index’s name.

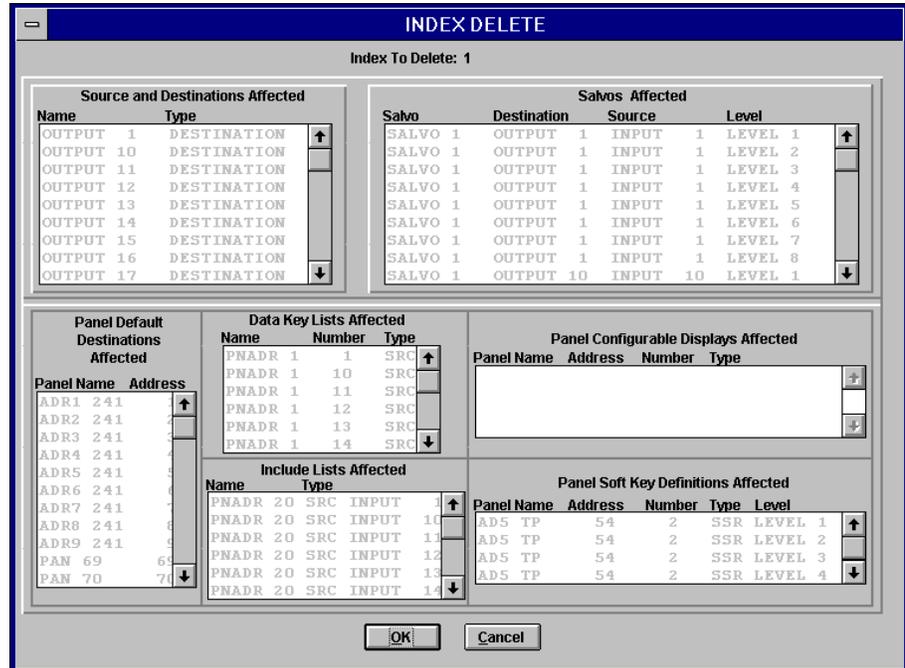
For clarification, the indexes that are created in the Index Window are used as index names. The index names are used, along with category names to build source, destination, and reentry names. For example if you build a list of index names using the Index Window command functions, you might build a list containing “1, 2, A, B”. This list, along with the default “0”, gives you five index names from which to build source, destination, and reentry names. The index portion of the source, destinations, or reentry name may contain nothing, one index name, or two index names. If a category, VTR, has already been defined, some valid names you could build with the list of index names are: VTR, VTR A, VTR 1A, VTR 2B, and etc.

Edit

The Edit command allows you to edit an existing index’s configuration information. Select the index to be edited by scrolling through the indexes name list until the index name of the index to be edited is highlighted. Once the desired index name is highlighted, select Edit to continue the editing process. Change the index name to the desired name. Once the desired index name is entered into the Index Name Data Field, select OK to complete the editing process. Selecting Cancel will abort the operation. Editing an index name will alter the name of all sources, destinations, and reentries that use the index name to the newly edited name.

Delete

The Delete command enables you to delete an index. You may not delete the default index “0” (zero). Deleting an index is comparable to deleting a category. It may have significant impact on all items with which the index is associated. Select the index to be deleted by scrolling through the indexes name list until the index name of the index to be deleted is highlighted. Once the desired index name is highlighted, select Delete. Selecting Delete will open the Index Delete Window which displays all of the potentially impacted items. If there are no impacted items (such as is the case with a new configuration) the Confirm Delete will be displayed instead.



Index Delete Window

The Index Delete Window displays all items that will be affected by the selected index being deleted including panel configuration items, sources, and destinations affected. Specifically, deleting an index results in the following: (1) the deletion of any sources, destinations, or reentries whose name contains the index name as part of their name; (2) the deletion of any salvo entries that contain source or destinations that use the index name; (3) the blanking out of the default destination for any panels using a destination that uses the index name; (4) the deletion of any entries in any data key lists or include lists that use the index name by itself or as part of a source or destination name; (5) the blanking out of any panels with configurable displays (i.e. RCP-STAT Control Panels) containing destinations that contain the index name; and (6) the deletion of any entries in any soft key lists that use the index name as part of a source or destination name.

Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

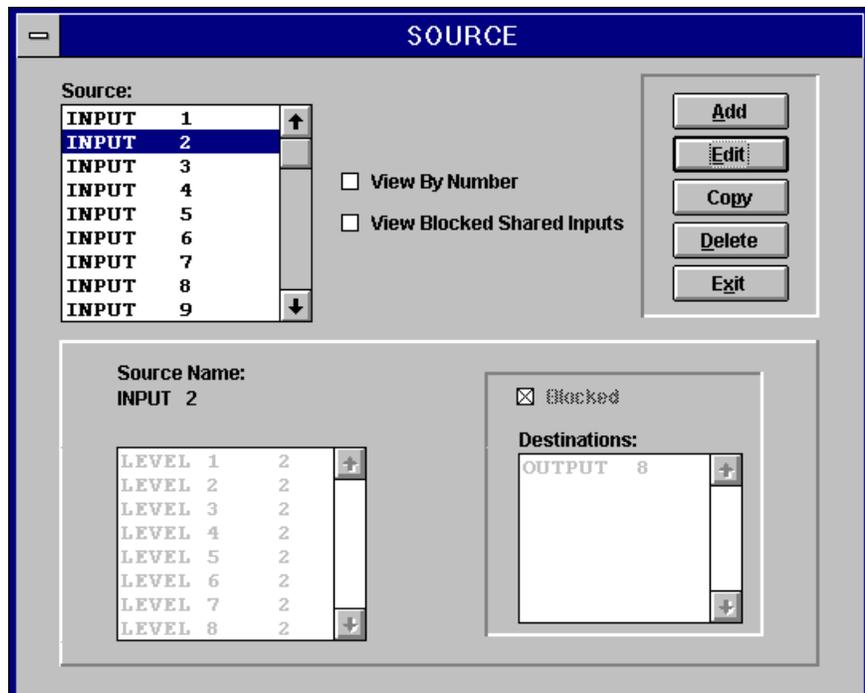
Selecting Yes in the Confirm Delete Window will delete the selected index. Selecting No will abort the entire delete operation.

Exit

Selecting Exit from the Index Window will return you to the Win3300 Window.

Source

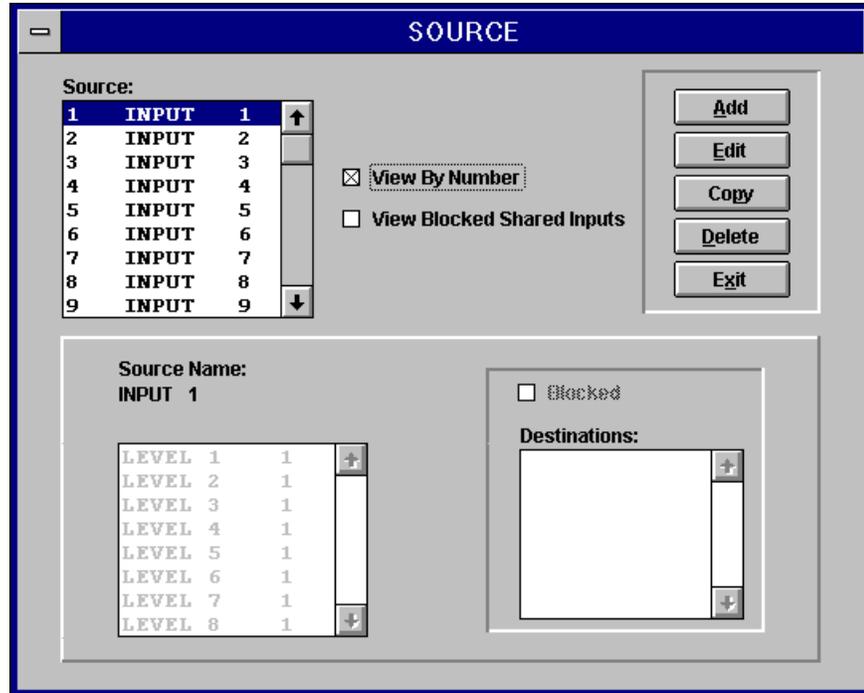
Selecting Source from the Configuration menu will open the Source Window. The maximum number of sources is defined in the Win3300 General Statistics Table. The Source Window gives you the options of adding, editing, copying, and deleting sources. You can also view the configured sources by number when you select View By Number. The number for the source is supplied for backward compatibility with the CPU Link Protocol 1. The use of these commands is described in the following manual subsections.



Source Window

View By Number

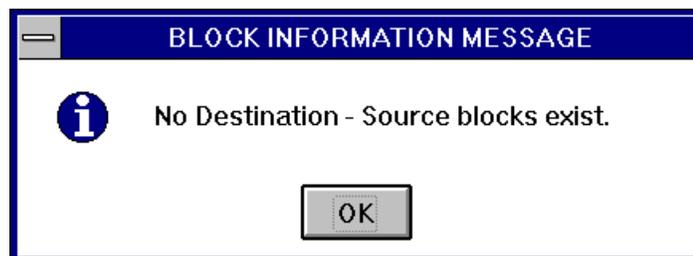
Selecting View By Number in the Source Window allows you to view the source name list by the number assigned to the source when it was created. These numbers are used for backward compatibility to CPU Link Protocol #1. Normally the Source List is viewed in alphabetical order.



Source Window (View By Number)

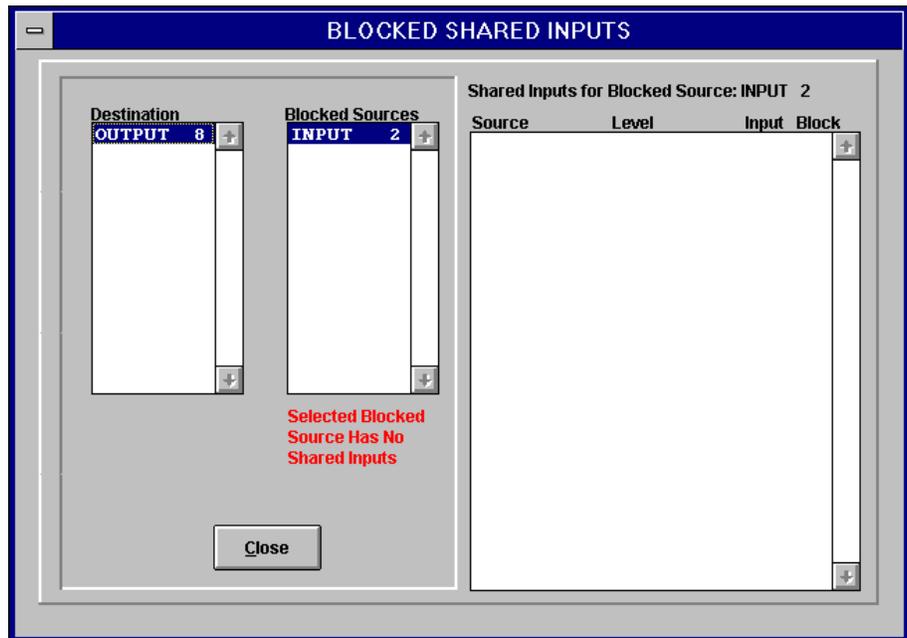
View Blocked Shared Inputs

Selecting View Blocked Shared Inputs in the Source Window allows you to view all sources with blocked inputs and also enables you to view all blocked shared inputs if your current configuration contains blocked sources. In the event that the current configuration does not contain any blocked sources, the Block Information Message Window will open. To acknowledge the receipt of the Block Information Message Window, select OK. Selecting OK will return you to the Source Window.



Block Information Message Window

If your current configuration contains blocked sources, selecting View Blocked Shared Inputs will open the Blocked Shared Inputs Window. The Blocked Shared Inputs Window allows the selection of a destination and a blocked source. To select a destination scroll through the Destination List until the desired destination is highlighted or select the desired destination by clicking on it if the desired destination is currently visible. To select a blocked source scroll through the Blocked Sources List until the desired blocked source is highlighted or select the desired blocked source by clicking on it if the desired blocked is currently visible. Once a destination and a blocked source are selected, any shared inputs are displayed in the Shared Inputs for Blocked Source Window. The information contained in the Shared Inputs for Blocked Source Window is displayed by source, level, input, and block. Selecting Close in the Blocked Shared Inputs Window will return you to the Source Window.



Blocked Shared Inputs Window

Add

The Add command enables you to add new sources to the system configuration. Selecting Add will open the Source Configuration Window. The command functions in the Source Configuration Window will enable you to complete the addition of a new source. Please refer to the Source Configuration subsection for source configuration details.

Edit

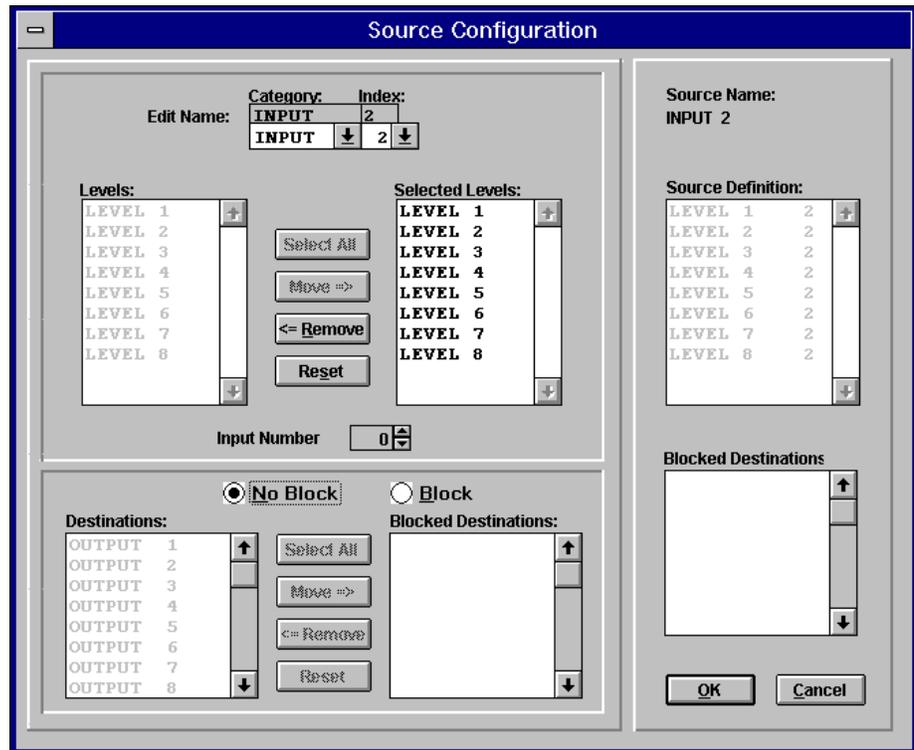
The Edit command enables you to edit existing sources. Select the source to be edited by scrolling through the sources name list until the source name of the source to be edited is highlighted. Once the desired source name is highlighted, select Edit to continue the editing process. Selecting Edit will open the Source Configuration Window. The command functions in the Source Configuration Window will enable you to complete the editing process. Please refer to the Source Configuration subsection.

Copy

The Copy command enables you to copy an existing source's configuration information to a new source. Select the source to be copied by scrolling through the sources name list until the source name of the source to be copied is highlighted. Once the desired source name is highlighted, select Copy to continue the copying process. Selecting Copy will open the Source Configuration Window. The command functions in the Source Configuration Window will enable you to complete the copying process. Please refer to the Source Configuration subsection.

Source Configuration

Selecting Add, Edit, or Copy in the Source Window will open the Source Configuration Window.



Source Configuration Window (No Block)

Source Configuration Window (Block)

The command functions in the Source Configuration Window allow you to define a source. Sources are defined by the selection of an existing category and, optionally, an index name to form a unique source name; and by the selection of levels and inputs on those levels. The Source Configuration Window also provides the option of blocking selected destinations from a selected source. When a destination is blocked from a source, switching of the source to the blocked destination will be disallowed. The option of blocking sources from destinations allows you to build information security into your system configuration.

Add

To finish adding a new source select a category and, optionally, an index name to form a source group name. If preferred, you may type in the name rather selecting it. Once the source name is selected, select all levels that will have the same input number by using the Select All, Move, Remove, and Reset command functions to build a Selected Levels List. Items may also be added to the Selected Levels List by double clicking on the item in the Levels List. Likewise, an item may be removed from the Selected Levels List by double clicking on it. Select an input number to assign to each of the levels in the Selected Levels List. To ensure input number selection, tab out of the Input Number Field or click on another field. The result of selecting the input is displayed on the right side of the window in the Source Definition List. If you wish to have one or more levels to have a different input number; build the Selected Levels List with just those levels and select the new input number. The Source Definition List will alter only those levels that you requested to be changed via the Selected Levels List. Selecting "0" as an input number blanks out the input number on any levels in the Selected Levels List. This is interpreted as the source not being defined on that level.

If you wish to block any destinations from the new source select Block and build a Blocked Destinations List using the Select All, Move, Remove, and Reset command functions. You may also double click on an item in the Destinations List to move the item to the Blocked Destinations List, or double click on an item in the Blocked Destinations List to remove it from the Blocked Destinations List. If you do not wish to block any destinations select No Block if it is not already selected.

Once all the of the new source's configuration information is entered select OK to complete the addition of the new source. The complete definition of the source appears on the right side of the Source Configuration Window. A source requires only a name to exist; it does not require inputs or blocked destination data. Selecting Cancel will abort the entire operation.

Edit

To finish editing a previously configured source change the selected category and index name if necessary. Once any necessary changes are made to the source name, change the levels that are associated with the source (if necessary) by using the Select All, Move, Remove, and Reset command functions to edit the Selected Levels List. Items may also be added to the Selected Levels List by double clicking on the item in the Levels List. Likewise, an item may be removed from the Selected Levels List by double clicking on it. After the source name and the associated levels are edited, change the input number for the source if necessary.

If you wish to change or edit any blocked destinations information select Block and edit the Blocked Destinations List using the Select All, Move, Remove, and Reset command functions; or build a new Blocked Destinations List if one did not previously exist using the same commands. You may also double click on an item in the Destinations List to move the item to the Blocked Destinations List, or double click on an item in the Blocked Destinations List to remove it from the Blocked Destinations List. If you do not wish to block any destinations or wish to remove the blocking select No Block.

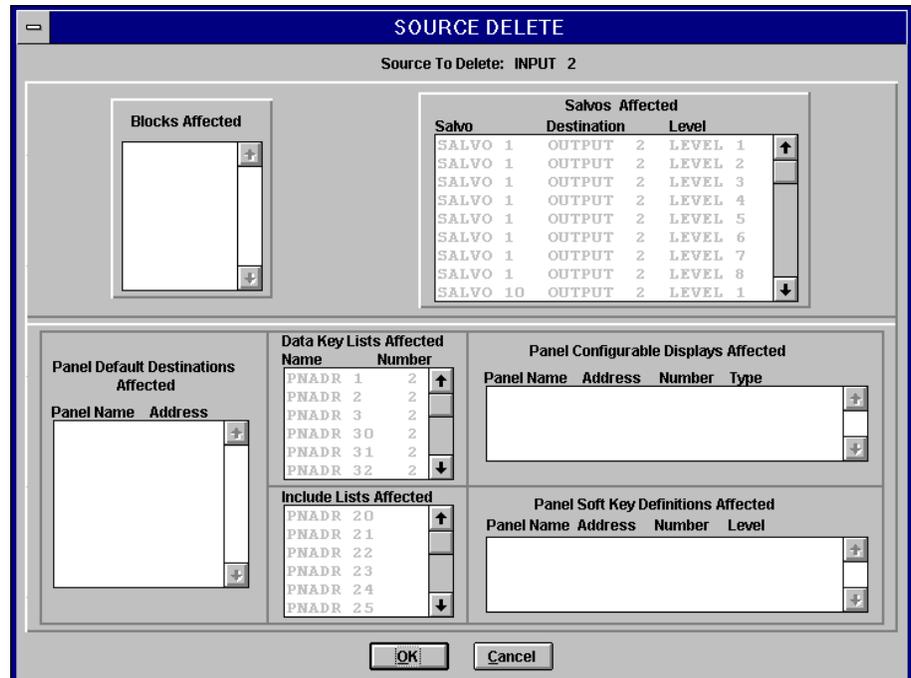
Once all the of the source's configuration information is edited select OK to complete the editing process. The complete (edited) definition of the source appears on the right side of the Source Configuration Window. Selecting Cancel will abort the entire operation.

Copy

To finish copying a previously configured source's configuration information to a new source, select a category and index name to form a new source name. A new name is required because source names must be unique. Once a new source name is selected, select OK to complete the copying process. All of the previously configured source's configuration information will copied to the new source. Selecting Cancel will abort the entire operation.

Delete

The Delete command in the Source Window enables you to delete a source. Deleting a source on a fully configured system may have considerable impact on all items with which the source is associated. Select the source to be deleted by scrolling through the source name list until the source name of the source to be deleted is highlighted. Once the desired source name is highlighted, select Delete. Selecting Delete will open the Source Delete Window which displays all of the potentially impacted items. If there are no impacted items, such as is the case with a new configuration, the Confirm Delete Window will be displayed instead.



Source Delete Window

The Source Delete Window displays all of the configuration items that will be affected by the selected source being deleted. Specifically, deleting a source results in the following: (1) the removal of any blocks affected by the deletion of the source; (2) the deletion of any salvo entries that contain the source; (3) the control panel default destinations are unaffected; (4) entries in any data key lists or include lists that use the source are deleted; (5) configurable displays are only impacted by destinations so they are unaffected; (6) any control panel soft key definitions defined as the source are deleted. Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

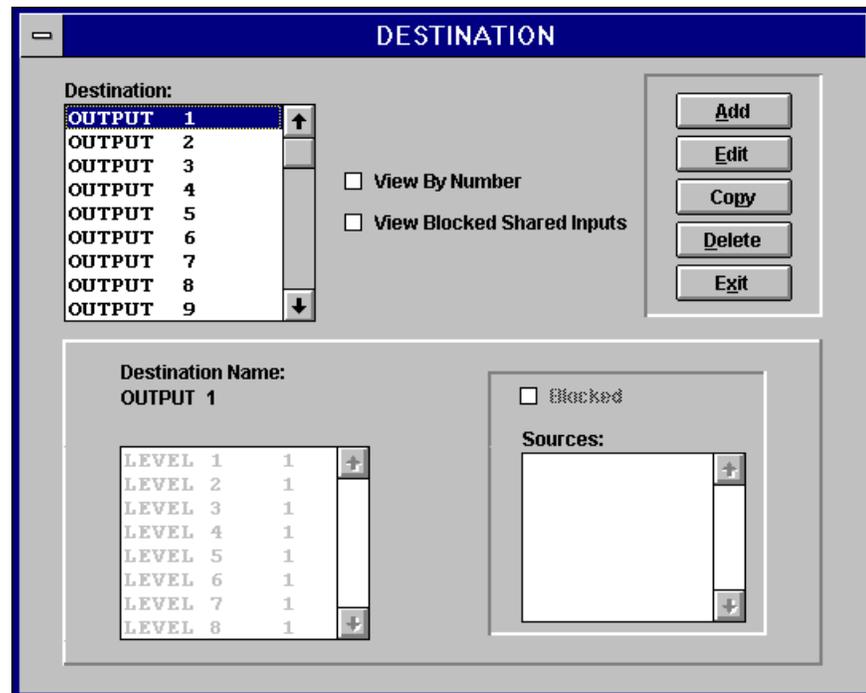
Selecting Yes in the Confirm Delete Window will delete the selected source.
Selecting No will abort the entire delete operation.

Exit

Selecting Exit in the Source Window will return you to the Win3300 Window.

Destination

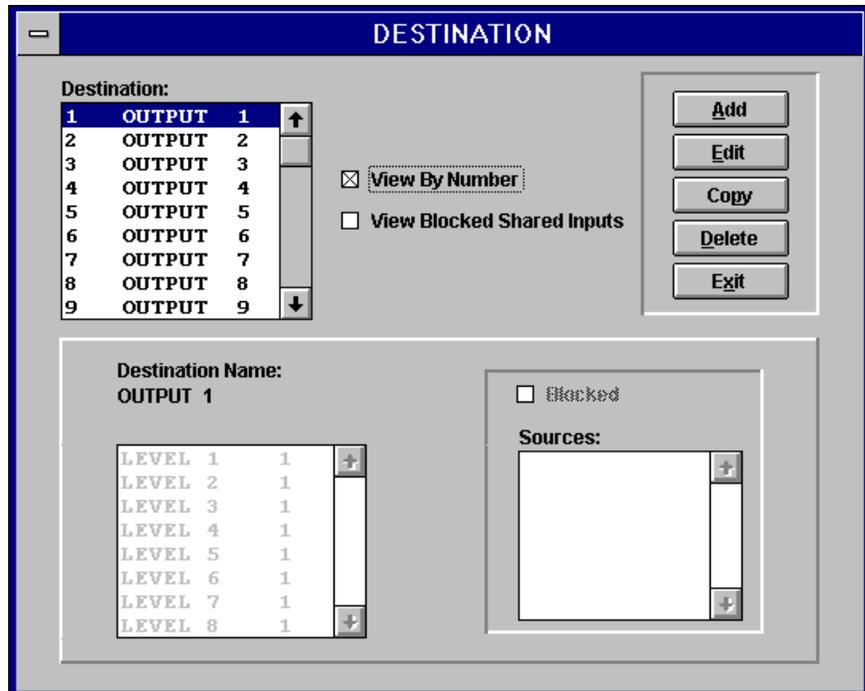
Selecting Destination from the Configuration menu will open the Destination Window. The maximum number of destinations is defined in the Win3300 General Statistics Table. The Destination Window gives you the options of adding, editing, copying, and deleting destinations. You can also view the configured destinations by number when you select View By Number. The number of the destination is supplied for backward compatibility with CPU Link Protocol #1. The use of these commands is described in the following manual subsections.



Destination Window

View By Number

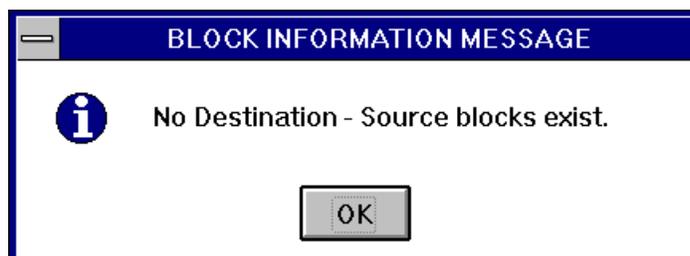
Selecting View By Number in the Destination Window allows you to view the destination name list by the number assigned to the destination when it was created. These numbers are used for backward compatibility to CPU Link Protocol #1. Normally the Destination List is viewed in alphabetical order.



Destination Window (View By Number)

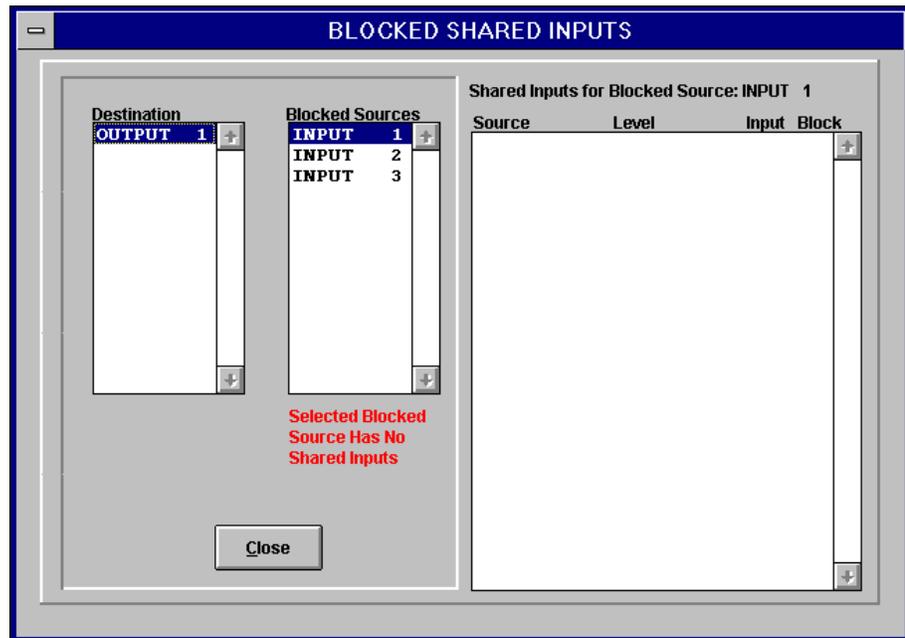
View Blocked Shared Inputs

Selecting View Blocked Shared Inputs in the Destination Window allows you to view all sources with blocked inputs and also enables you to view all blocked shared inputs if your current configuration contains blocked sources. In the event that the current configuration does not contain any blocked sources, the Block Information Message Window will open. To acknowledge the receipt of the Block Information Message Window, select OK. Selecting OK will return you to the Destination Window.



Block Information Message Window

If your current configuration contains blocked sources, selecting View Blocked Shared Inputs will open the Blocked Shared Inputs Window. The Blocked Shared Inputs Window allows the selection of a destination and a blocked source. To select a destination scroll through the Destination List until the desired destination is highlighted or select the desired destination by clicking on it if the desired destination is currently visible. To select a blocked source scroll through the Blocked Sources List until the desired blocked source is highlighted or select the desired blocked source by clicking on it if the desired blocked is currently visible. Once a destination and a blocked source are selected, any shared inputs are displayed in the Shared Inputs for Blocked Source Window. The information contained in the Shared Inputs for Blocked Source Window is displayed by source, level, input, and block. Selecting Close in the Blocked Shared Inputs Window will return you to the Destination Window.



Blocked Shared Inputs Window

Add

The Add command enables you to add new destinations to the system configuration. Selecting Add will open the Destination Configuration Window. The command functions in the Destination Configuration Window will enable you to complete the addition of a new destination. Please refer to the Destination Configuration subsection for destination configuration details.

Edit

The Edit command enables you to edit existing destinations. Select the destination to be edited by scrolling through the Destinations Name List until the destination name of the destination to be edited is highlighted. Once the desired destination name is highlighted, select Edit to continue the editing process. Selecting Edit will open the Destination Configuration Window. The command functions in the Destination Configuration Window will enable you to complete the editing process. Please refer to the Destination Configuration subsection.

Copy

The Copy command enables you to copy an existing destination's configuration information to a new destination. Select the destination to be copied by scrolling through the Destinations Name List until the destination name of the destination to be copied is highlighted. Once the desired destination name is highlighted, select Copy to continue the copying process. Selecting Copy will open the Destination Configuration Window. The command functions in the Destination Configuration Window will enable you to complete the copying process. Please refer to the Destination Configuration subsection.

Destination Configuration

Selecting Add, Edit, or Copy in the Destination Window will open the Destination Configuration Window.

The screenshot shows the 'Destination Configuration' window. At the top, the title bar reads 'Destination Configuration'. Below the title bar, there are several sections:

- Edit Name:** A table with columns 'Category' and 'Index'. The first row shows 'OUTPUT' and '1'. Below it, there are dropdown arrows for both columns.
- Levels:** A list box containing 'LEVEL 1' through 'LEVEL 8'.
- Selected Levels:** A list box containing 'LEVEL 1' through 'LEVEL 8'.
- Buttons:** 'Select All', 'Move =>', '<= Remove', and 'Reset'.
- Output Number:** A spin box set to '0'.
- Blocked Sources:** A list box that is currently empty.
- Radio Buttons:** 'No Block' (selected) and 'Block'.
- Sources:** A list box containing 'INPUT 1' through 'INPUT 8'.
- Blocked Sources:** A list box that is currently empty.
- Buttons:** 'OK' and 'Cancel'.

Destination Configuration Window (No Block)

The screenshot shows the 'Destination Configuration' window. At the top, it has a title bar and a close button. Below the title bar, there are two main sections. The left section is for defining the destination, and the right section is for defining the destination's levels and blocked sources.

Destination Name: OUTPUT 1

Destination Definition:

LEVEL 1	1
LEVEL 2	1
LEVEL 3	1
LEVEL 4	1
LEVEL 5	1
LEVEL 6	1
LEVEL 7	1
LEVEL 8	1

Blocked Sources:

INPUT 2
INPUT 3
INPUT 4
INPUT 5
INPUT 6
INPUT 7
INPUT 8
INPUT 9

Levels:

LEVEL 1
LEVEL 2
LEVEL 3
LEVEL 4
LEVEL 5
LEVEL 6
LEVEL 7
LEVEL 8

Selected Levels:

LEVEL 1
LEVEL 2
LEVEL 3
LEVEL 4
LEVEL 5
LEVEL 6
LEVEL 7
LEVEL 8

Sources:

INPUT 1
INPUT 2
INPUT 3
INPUT 4
INPUT 5
INPUT 6
INPUT 7
INPUT 8

Blocked Sources:

INPUT 2
INPUT 3
INPUT 4
INPUT 5
INPUT 6
INPUT 7
INPUT 8
INPUT 9

Output Number: 0

Block Options: No Block Block

Buttons: Select All, Move =>, <= Remove, Reset, OK, Cancel

Destination Configuration Window (Block)

The command functions in the Destination Configuration Window allow you to define a destination. Destinations are defined by the selection of an existing category and, optionally, an index name to form a unique destination name; and by the selection of levels and outputs on those levels. The output number on a level must be unique. If you try to assign the same output number on a specific level to different destinations you will receive an error message. The Destination Configuration Window also provides the option of blocking selected sources from a selected destination. When a destination is blocked from a source switching of the source to the blocked destination will be disallowed. The option of blocking sources from destinations allows you to build information security into your system configuration. If you have already performed blocking using the Source Configuration Window, the results of those blocks are displayed here as well. For example, if you blocked Source 1 from Destination 1 using the Source Configuration Window, then the Destination Configuration Window will show that Destination 1 is blocked from Source 1.

Add

To finish adding a new destination select a category and, optionally, an index name to form a destination name. If preferred, you may type in the name rather than selecting it. Once the destination name is selected, select all levels that will have the same output by using the Select All, Move, Remove, and Reset command functions to build a Selected Levels List. Items may also be added to the Selected Levels List by double clicking on the item in the Levels List. Likewise, an item may be removed from the Selected Levels List by double clicking on it. Select an output number to assign to each of the levels in the Selected Levels List. To ensure output number selection, tab out of the Output Number Field or click on another field. The result of selecting the output number is displayed on the right side of the window in the Destination Definition List. If you wish to have one or more levels to have a different output number, build the Selected Levels List with just those levels, and select the new output number. The Destination Definition List will alter only those levels that you requested via the Selected Levels List. Selecting "0" as an output number blanks out the output number on any levels in the Selected Levels List. This is interpreted as the destination not being defined on that level.

If you wish to block any sources from the new destination select Block and build a Blocked Sources List using the Select All, Move, Remove, and Reset command functions. You may also double click on an item in the Sources List to move the item to the Blocked Sources List, or double click on the item in the Blocked Sources List to remove it from the Blocked Sources List. If you do not wish to block any sources select No Block, if it is not already selected.

Once all the of the new destination's configuration information is entered select OK to complete the addition of the new destination. The complete definition of the destination appears on the right side of the Destination Configuration Window in the Destination Definition List. Selecting Cancel will abort the entire operation. A destination requires only a name to exist. It does not require outputs or block data.

Edit

To finish editing a previously configured destination change the selected category and index name if necessary. Once any necessary changes are made to the destination name, change the levels that are associated with the destination (if necessary) by using the Select All, Move, Remove, and Reset command functions to edit the Selected Levels List. Items may also be added to the Selected Levels List by double clicking on the item in the Levels List. Likewise, an item may be removed from the Selected Levels List by double clicking on it. After the destination name and the associated levels are edited, change the output number for the destination if necessary.

If you wish to change or edit any blocked sources information select Block and edit the Blocked Sources List using the Select All, Move, Remove, and Reset command functions or build a new Blocked Sources List if one did not previously exist using the same commands. You may also double click on an item in the Sources List to move the item to the Blocked Sources List, or double click on the item in the Blocked Sources List to remove it from the Blocked Sources List. If you do not wish to block any sources or wish to remove the blocking select No Block.

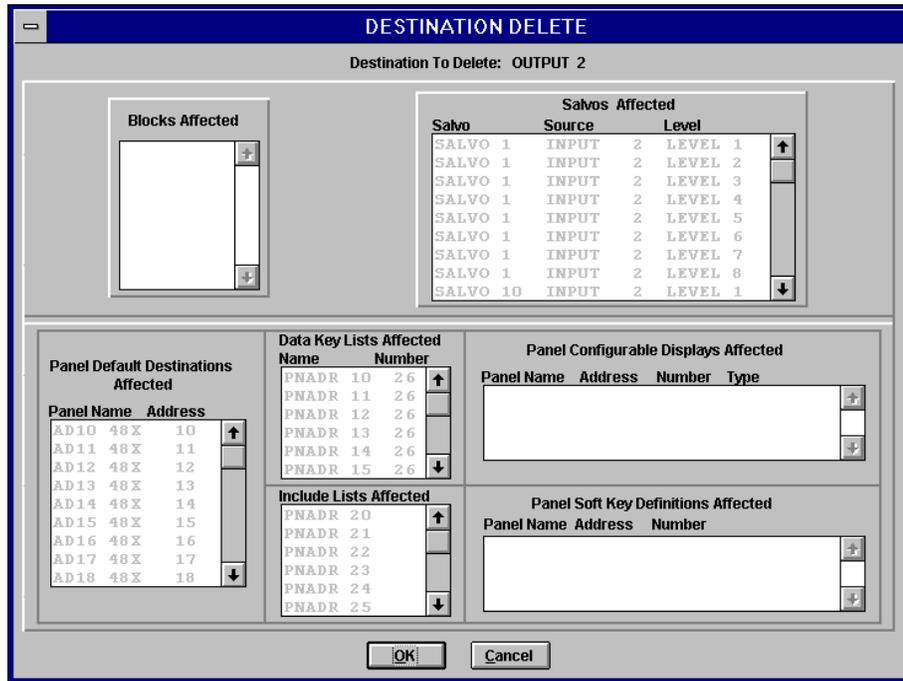
Once all the of the destination's configuration information is edited, select OK to complete the editing process. The complete (edited) definition of the destination appears on the right side of the Destination Configuration Window in the Destination Definition List. Selecting Cancel will abort the entire operation.

Copy

To finish copying a previously configured destination’s configuration information to a new destination, select a category and index name to form a new destination name. A new name is required because destination names must be unique. Once a new destination name is selected, select OK to complete the copying process. All of the previously configured destination’s configuration information will be copied to the new destination name. Selecting Cancel will abort the entire operation.

Delete

The Delete command in the Destination Window enables you to delete a destination. Deleting a destination on a fully configured system may have considerable impact on all items with which the destination is associated. Select the destination to be deleted by scrolling through the Destination Name List until the destination name of the destination to be deleted is highlighted. Once the desired destination name is highlighted, select Delete. Selecting Delete will open the Destination Delete Window which displays all of the potentially impacted items. If there are no impacted items, such as is the case with a new configuration, the Confirm Delete Window will be displayed instead.



Destination Delete Window

The Destination Delete Window displays all of the configuration items that will be affected by the selected destination being deleted. Specifically, deleting a destination results in the following: (1) the removal of any blocks affected by the destination; (2) the deletion of any salvo entries that contain the destination; (3) the blanking out of the default destination of any control panels using the destination as their default; (4) the deletion of entries in any Data Key Lists or Include Lists that use the destination; (5) any panels with configurable displays (i.e. stat panels) containing the destination will have the display blanked out; (6) any panels with soft keys defined as the destination will have the soft key definition deleted. Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

Selecting Yes in the Confirm Delete Window will delete the selected destination. Selecting No will abort the entire delete operation.

Exit

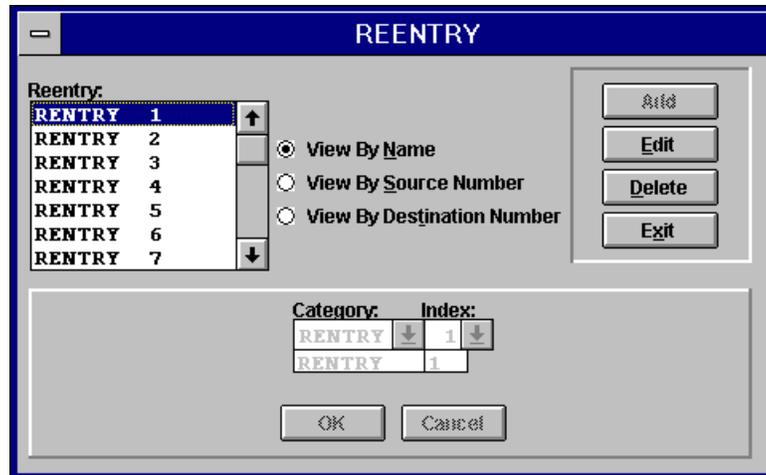
Selecting Exit in the Destination Window will return you to the Win3300 Window.

Reentry

Selecting Reentry from the Configuration menu will open the Reentry Window. The maximum number of reentries the Win3300 Control System can be configured for is defined in the Win3300 General Statistics Table. Reentries are defined by selecting a unique name composed of category name and index name. Reentries provide a virtual map between sources and destinations. The Reentry Window gives you the options of adding, editing, and deleting reentries. You also have the option of viewing reentries by name, source number, or destination number. The use of these commands is described in the following manual subsections.

View By Name

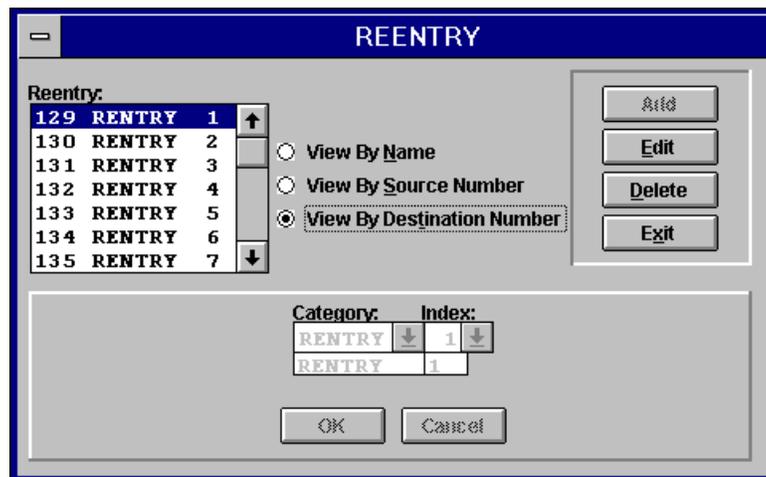
The View By Name selection allows you to view the Reentry List in alphabetical order. The View By Name selection is the default selection.



Reentry Window (View By Name)

View By Source Number

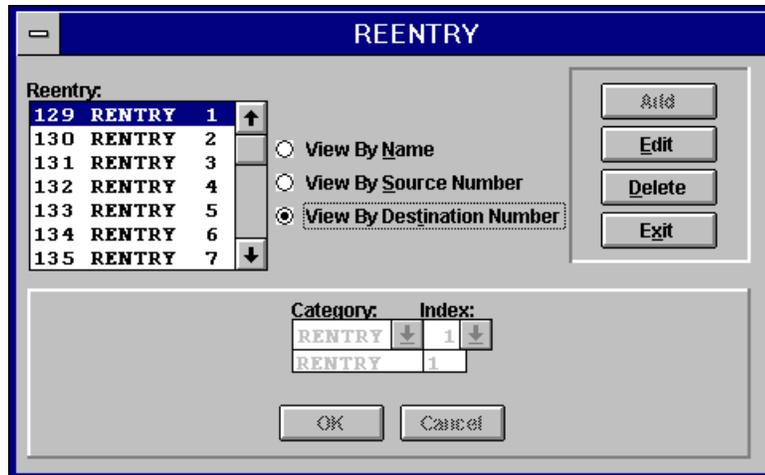
The View By Source Number selection allows you to view the Reentry List in source number order. The source number is assigned to the reentry during configuration. The source numbers are used for backward compatibility to CPU Link Protocol #1.



Reentry Window (View By Source Number)

View By Destination Number

The View By Destination Number selection allows you to view the Reentry List in destination number order. The destination number is assigned to the reentry during configuration. The destination numbers are used for backward compatibility to CPU Link Protocol #1.



Reentry Window (View By Destination Number)

Add

The Add command enables you to add new reentries to the system configuration. To add a reentry to your system configuration select a category name and, optionally, an index name to form a unique reentry name. If preferred, you may type in the name rather select it. The reentry name must not match any previously configured source or destination names. If the selected reentry name matches any previously configured source or destination name an error message will appear. Once a unique reentry name is selected, select OK to complete the addition of a new reentry to the system configuration. Selecting Cancel will abort the operation.

Edit

The Edit command enables you to edit an existing reentry's configuration information. Select the reentry to be edited by scrolling through the Reentry List until the desired reentry name is highlighted. Once the desired reentry name is highlighted click on Edit to continue the editing process. Change the selected reentry's category or index if necessary and select OK to complete the editing process. Selecting Cancel will abort the operation.

Delete

The Delete command in the Reentry Window enables you to delete a reentry. Deleting a reentry on a fully configured system may have considerable impact on all items with which the reentry is associated. Select the reentry to be deleted by scrolling through the Reentry List until the reentry to be deleted is highlighted. Once the desired reentry is highlighted, select Delete. Selecting Delete will open the Reentry Delete Window which displays all of the potentially impacted items. If there are no impacted items, such as is the case with a new configuration, the Confirm Delete Window will be displayed instead.

Reentry Delete Window

The Reentry Delete Window displays all of the configuration items that will be affected by the selected reentry being deleted. Specifically, deleting a reentry results in the following: (1) the deletion of any salvo entries that the reentry; (2) the blanking out of the default destination of any control panels using the reentry as their default; (3) the deletion of entries in any Data Key Lists or Include Lists that use the reentry as a source or destination; (4) any panels with configurable displays (i.e. stat panels) containing the reentry will have the display blanked out; (5) any panels with soft keys defined as the reentry as a source or destination will have the soft key definition deleted. Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.

Confirm Delete Window

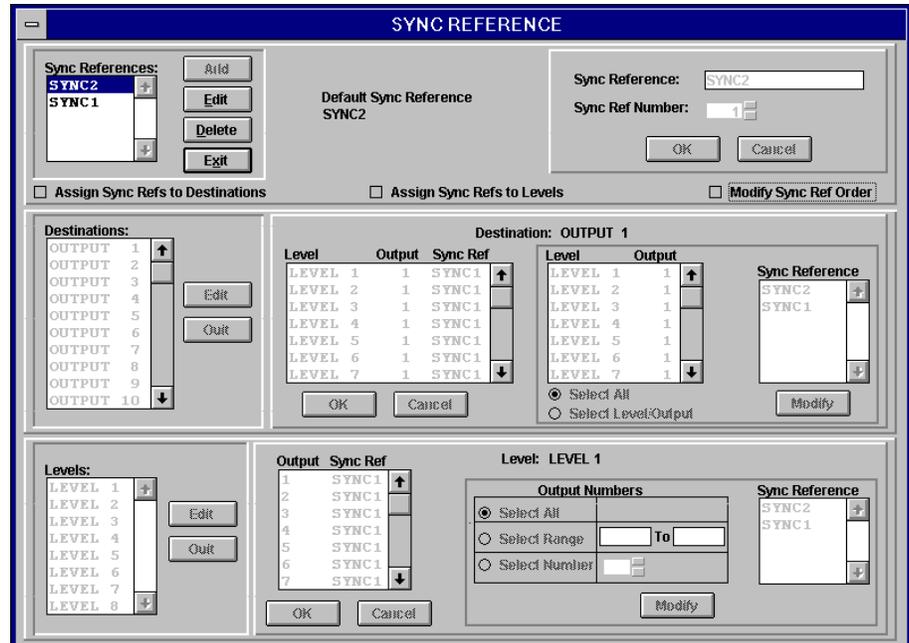
Selecting Yes in the Confirm Delete Window will delete the selected reentry. Selecting No will abort the entire delete operation.

Exit

Selecting Exit in the Reentry Window will return you to the Win3300 Window.

Sync Reference

Selecting Sync Reference from the Configuration menu will open the Sync Reference Window. Sync references are used by the routing matrices to determine at which point in time to switch an output from one input to another input. Configuring a sync reference allows the user to assign which reference signal to use when switching an output. The Sync Reference Window allows you to add, edit, and delete sync references. The Sync Reference Window also enables you to assign sync references to destinations, to assign sync references to levels, and to modify sync reference order.



Sync Reference Window

Add

To add a new sync reference to the current configuration, select Add. Enter the new sync reference's name into Sync Reference Data Field (any string of alphanumeric characters up to eight characters long) and assign a sync reference number. Then select OK to complete the addition of the new sync reference. Selecting Cancel will abort the operation.

Edit

Selecting Edit allows you to edit the configuration information of the selected sync reference. Select the desired sync reference and click on Edit to continue editing. Change the selected sync reference's name and/or sync reference number if necessary and select OK to complete the editing process. Selecting Cancel will abort the operation.

Delete

The Delete command in the Sync Reference Window enables you to delete a sync reference. The default sync reference cannot be deleted. When a sync reference is deleted any outputs associated with the deleted sync reference are reassigned to the default sync reference. Select the sync reference to be deleted and select Delete. Selecting Delete will open the Confirm Delete Window.



Confirm Delete Window

Selecting Yes in the Confirm Delete Window will delete the selected sync reference. Selecting No will abort the entire delete operation.

Assign Sync References to Destinations

Checking the Assign Sync Refs to Destinations block enables you to edit the assignment of sync references to destinations. To edit the assignment of a destination to a sync reference, highlight the desired destination in the Destinations List, and click Edit to continue editing. To assign a sync reference to a destination on all levels, click on Select All and then select the desired sync reference. Once the desired sync reference is selected, select Modify and then OK to complete the editing process. The destination will now be assigned to the selected sync reference on all levels. To assign the destination to a selected sync reference on specific levels, click on Select Level/Output and select the desired level from the Levels List. Then select the desired sync reference by clicking on the desired sync reference name and selecting Modify. Continue selecting levels, sync references, and Modify until all necessary assignment changes are completed. Once all necessary changes are completed, select OK to complete the editing process. The destination will now be assigned the selected sync reference on the selected levels. Once the assignment of reference syncs to destinations is completed, select Quit.

Assign Sync References to Levels

Checking the Assign Sync Refs to Levels box enables you to edit the assignment of sync references to levels. To edit the assignment of a reference sync to a level, select the desired level from the Levels List and click Edit to continue editing. To assign the level to the selected sync reference for all destinations, click on Select All and then select the desired sync reference. Once the desired sync reference is selected, select Modify and then OK to complete the editing process. The level will now be assigned to the selected sync reference on for all destinations.

To assign the level to a selected sync for a selected range of destinations, click on Select Range and then enter the desired range of destinations in Select Range Data Fields. Once the desired range of destinations is entered, select the desired sync reference by clicking on the desired sync reference. Once the desired sync reference is selected, select Modify and then select OK to complete the editing process. The level will now be assigned to the selected sync reference for the selected range of destinations. To assign a selected sync reference to a level for specific outputs, click on Select Number or Select Range and then enter the desired destination number range. Once the desired output number range is entered, select the desired sync reference by clicking on the desired sync reference. Select Modify and then OK to complete editing. The newly assigned sync references will be reflected by the output for the highlighted level. Once the assignment of sync references to levels is completed, select Quit.

Modify Sync Reference Order

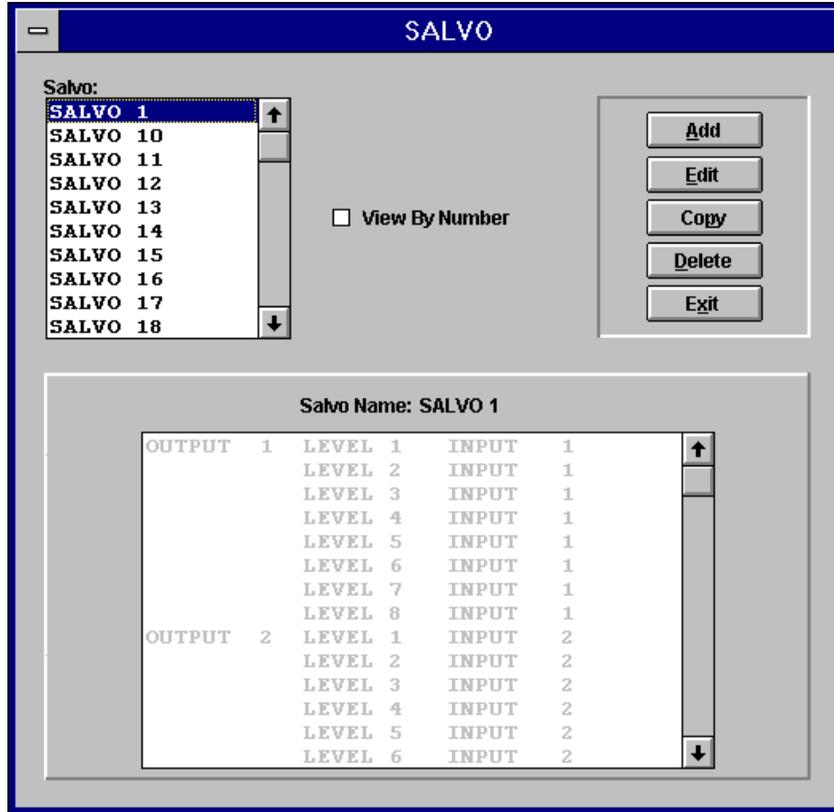
Checking the Modify Sync Reference Order block enables you to change the order of sync references (i.e sync reference numbers). The default sync reference is whatever sync reference is assigned the number one. To change the order of sync references check the Modify Sync Reference Order block. The order of sync references and the default sync reference selection will automatically be updated.

Exit

Selecting Exit in the Sync Reference Window will return you to the Win3300 Window.

Salvo

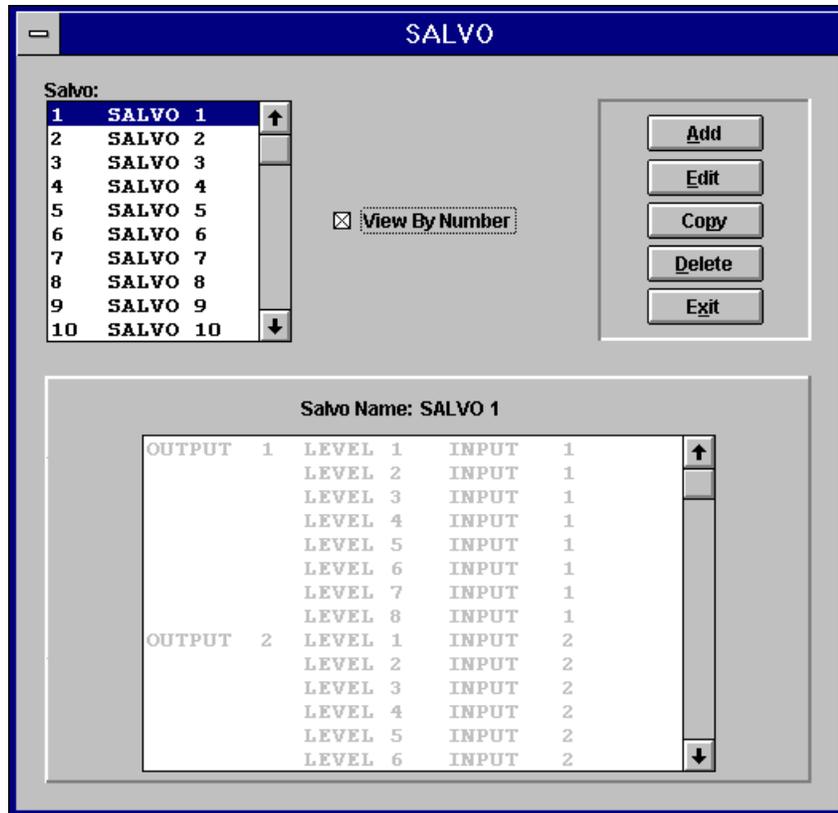
Selecting Salvo from the Configuration menu will open the Salvo Window. The maximum number of salvos the Win3300 Control System can be configured for is defined in the Win3300 General Statistics Table. The creation of salvos enables you to execute several switch commands with one control panel action. The Salvo Window gives you the options of adding, editing, copying, and deleting salvos. You can also view the configured salvos by number when you select View By Number. The number of the salvo is supplied for backward compatibility with CPU Link Protocol #1. The use of these commands is described in the following manual subsections.



Salvo Window

View By Number

Selecting View By Number in the Salvo Window allows you to view the Salvo Name List by the number assigned to the salvo when it was created. These numbers are used for backward compatibility to CPU Link Protocol #1. Normally the Salvo List is viewed in alphabetical order.



Salvo Window (View By Number)

Add

The Add command enables you to add new salvos to the system configuration. Selecting Add will open the Salvo Configuration Window. The command functions in the Salvo Configuration Window will enable you to complete the addition of a new salvo. Please refer to the Salvo Configuration subsection for salvo configuration details.

Edit

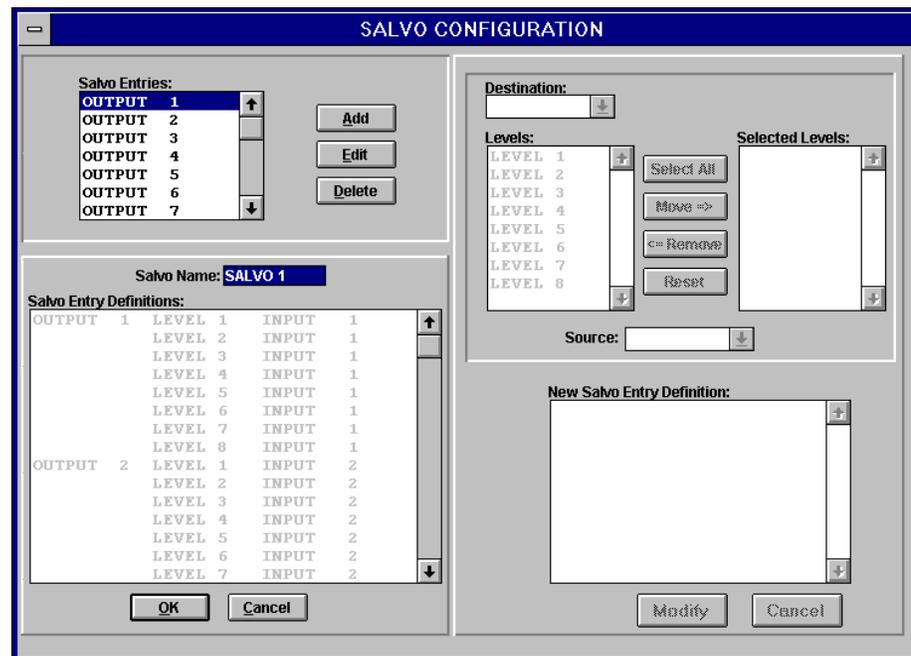
The Edit command enables you to edit existing salvos. Select the salvo to be edited by scrolling through the Salvo List until the salvo name of the salvo to be edited is highlighted. Once the desired salvo name is highlighted, select Edit to continue the editing process. Selecting Edit will open the Salvo Configuration Window. The command functions in the Salvo Configuration Window will enable you to complete the editing process. Please refer to the Salvo Configuration subsection.

Copy

The Copy command enables you to copy an existing salvo's configuration information to a new salvo. Select the salvo to be copied by scrolling through the Salvo List until the salvo name of the salvo to be copied is highlighted. Once the desired salvo name is highlighted, select Copy to continue the copying process. Selecting Copy will open the Salvo Configuration Window. The command functions in the Salvo Configuration Window will enable you to complete the copying process. Please refer to the Salvo Configuration subsection.

Salvo Configuration

Selecting Add, Edit, or Copy in the Salvo Window will open the Salvo Configuration Window.



Salvo Configuration Window

The command functions in the Salvo Configuration Window allow you to define a salvo and the switch actions that will take place when the salvo is executed. All salvos are identified through the use of an up to eight character alphanumeric name. The first character must be an alphabetical character and spaces are allowed. Salvo names must also be unique. The Salvo Configuration Window also contains the command functions that allow you to determine the levels the salvo switch will take place on and the source and destination affected.

Add

To complete the addition of a salvo, enter the desired salvo name in the Salvo Name Field and select Add to add salvo entries to the salvo. Select the destination to be associated with the salvo entry by scrolling through the Destination List until the desired destination is highlighted. To ensure the selection of the desired destination tab out of the destination field. Select the levels from the Levels List the switch is to take place on by using the Select All, Move, Remove, and Reset commands or by double clicking on the items to move them to the Selected Levels List. Likewise, items can be removed from the Selected Levels List by double clicking on them. Select the source to be switched to the selected destination on the selected levels by scrolling through the Source List until the desired source is highlighted. To ensure the selection of the desired source tab out of the source field. If the selected source and selected levels are not associated on at least one level the following warning message will appear: "A valid salvo entry requires a source to be defined on at least one level." Once the salvo entry's configuration information is selected, select Modify to complete the addition of the salvo entry. The salvo entry will then appear on the Salvo Entry Definitions List. Selecting Cancel will abort the salvo entry Add operation.

You may add additional entries to the salvo by selecting Add and following the above instructions except for naming the salvo. Each salvo entry must have a unique destination. You may also edit existing salvo entries by scrolling through the Salvo Entries List until the salvo entry requiring editing is highlighted or by clicking on the salvo entry requiring editing to highlight it. Once the desired salvo entry is highlighted, select Edit to continue the editing process. Make any necessary changes to the selected salvo entry and select Modify to complete the editing process.

You may also delete existing salvo entries by scrolling through the Salvo Entries List until the salvo entry you wish to delete is highlighted or click on the salvo entry to highlight it. Once the desired salvo entry is highlighted, select Delete to complete the deletion of the selected salvo entry.

Once all of the new salvo's desired salvo entries are configured, select OK to complete the addition of the salvo. Selecting OK will return you to the Salvo Window and will add the new salvo to the Salvo List. Selecting Cancel will abort the entire operation and will return you to the Salvo Window.

Edit

To finish editing a previously configured salvo change the name if necessary. Once any necessary changes are made to the salvo name, select any of the salvo entries that need to be edited by scrolling through the Salvo Entries List until the first salvo entry requiring editing is highlighted or by clicking on the first salvo entry that requires editing to highlight it. Once the desired salvo entry is highlighted, select Edit to continue the editing process. Make any necessary changes to the selected salvo entry's destination, source, and selected levels configuration information. Once any necessary changes are made to the selected salvo entry, select Modify to complete the salvo entry editing process. If any of the other selected salvo's salvo entries need editing select them one at a time and make any necessary changes in the same manner as above.

You may also add an additional salvo entry to the selected salvo by selecting Add in the Salvo Configuration Window. Select the destination to be associated with the new salvo entry by scrolling through the Destination List until the desired destination is highlighted. To ensure the selection of the desired destination tab out of the destination field. Select the levels from the Levels List the switch is to take place on by using the Select All, Move, Remove, and Reset commands or by double clicking on the items to move them to the Selected Levels List. Likewise, items can be removed from the Selected Levels List by double clicking on them. Select the source to be switched to the selected destination on the selected levels by scrolling through the Source List until the desired source is highlighted. To ensure the selection of the desired source tab out of the source field. If the selected source and selected levels are not associated on at least one level the following warning message will appear: "A valid salvo entry requires a source to be defined on at least one level."

Once the new salvo entry's configuration information is selected, select Modify to complete the addition of the new salvo entry. The new salvo entry will then appear on the Salvo Entry Definitions List. Selecting Cancel will abort the salvo entry Add operation. If any other new salvo entries need to be added to the selected salvo, use the above instructions to configure them.

If it is necessary to delete any of the selected salvo entries, delete salvo entries by scrolling through the Salvo Entries List until the salvo entry you wish to delete is highlighted or click on the salvo entry to highlight it. Once the desired salvo entry is highlighted, select Delete to complete the deletion of the selected salvo entry. If any other salvo entries need to be deleted, delete them in like manner.

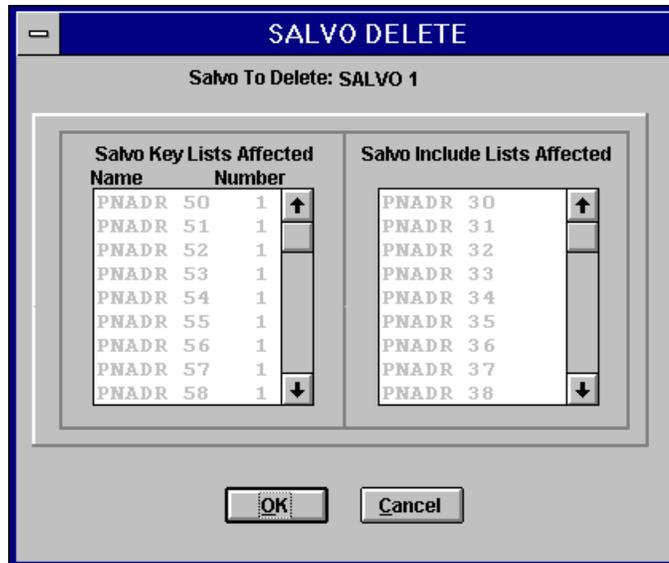
Once all necessary changes are made to the selected salvo, select OK to complete the editing process. Selecting OK will return you to the Salvo Window and will update the selected salvo's configuration information. Selecting Cancel will abort the entire operation and will return you to the Salvo Window.

Copy

To finish copying a previously configured salvo's configuration information to a new salvo, enter a new salvo name in the Salvo Name Field. A new name is required because all salvo names must be unique. Once a new salvo is entered, select OK to complete the copying process. All of the previously configured salvo's configuration information will be copied to the new salvo name. Selecting Cancel will abort the entire operation.

Delete

The Delete command in the Salvo Window enables you to delete a salvo. Deleting a salvo on a fully configured system may have considerable impact on all items with which the salvo is associated. Select the salvo to be deleted by scrolling through the Salvo List until the salvo name of the salvo to be deleted is highlighted. Once the desired salvo name is highlighted, select Delete. Selecting Delete will open the Salvo Delete Window which displays all of the potentially impacted items. If there are no impacted items, such as is the case with a new configuration, the Confirm Delete Window will be displayed instead.



Salvo Delete Window

The Salvo Delete Window displays all of the configuration items that will be affected by the selected salvo being deleted. Specifically, deleting a salvo results in the following: (1) the deletion of the entries in any Salvo Key Lists that use the selected salvo; (2) the deletion of any entries in Salvo Include Lists that use the selected salvo. Selecting OK will open the Confirm Delete Window. Selecting Cancel will abort the operation.



Confirm Delete Window

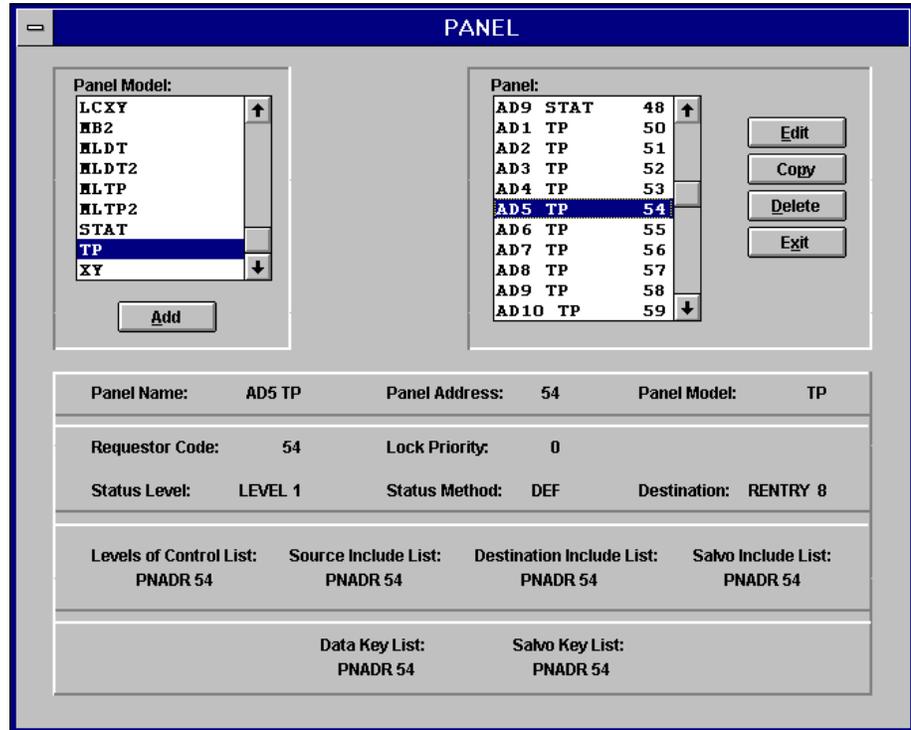
Selecting Yes in the Confirm Delete Window will delete the selected salvo. Selecting No will abort the entire delete operation.

Exit

Selecting Exit in the Salvo Window will return you to the Win3300 Window.

Panel

Selecting Panel from the Configuration menu will open the Panel Window. The use of PESA’s full line of remote control panels allows you to control your 3300 Control System from various locations. The maximum number of control panels the 3300 Control System can be configured for is defined in the Win3300 General Statistics Table. The Panel Window contains the commands to Add, Edit, Copy, and Delete control panels configurations. The use of these commands is described in the following manual subsections.



Panel Window

Add

The Add command enables you to add control panels to the system configuration. To start the addition of a new control panel configuration select the control panel type from the Panel Model List by scrolling through list until the desired control model number is highlighted or by clicking on the desired panel model number and then selecting Add. Selecting Add will open the Panel Configuration Window.

The command and configuration functions in the Panel Configuration Window will enable you to complete the addition of a new panel configuration. Please refer to the Panel Configuration subsection for control panel configuration details.

Edit

The Edit command enables you to edit an existing control panel configuration. Select the control panel configuration to be edited by scrolling through the Panel List until the panel name of the control panel configuration to be edited is highlighted or by clicking on the desired panel name to be edited. Once the desired panel name is highlighted, select Edit to continue the editing process. Selecting Edit will open the Panel Configuration Window. The command and configuration functions in the Panel Configuration Window will enable you to complete the editing process. Please refer to the Panel Configuration subsection.

Copy

The Copy command enables you to copy an existing control panel's configuration information to a new control panel name. Select the control panel whose configuration information is to be copied by scrolling through the Panel List until the panel name of the control panel to be copied is highlighted or by clicking on the desired control panel's name. Once the desired control panel name is highlighted, select Copy to continue the copying process. Selecting Copy will open the Panel Configuration Window. The command and configuration functions in the Panel Configuration Window will enable you to complete the copying process. Please refer to the Panel Configuration subsection.

Panel Configuration

Selecting Add, Edit, or Copy in the Panel Window will open the Panel Configuration Window. Please refer to the Control Panel Configuration Items Table for a cross reference of control panel types to configuration items.

The screenshot shows the 'PANEL CONFIGURATION' window. At the top, there is a yellow header bar with a grid of 24 numbered buttons (1-24) and two 'DEST' buttons. Below the header, the 'Panel Model' is set to 'TP'. The main configuration area contains several fields: 'Panel Name' (AD5 TP), 'Panel Address' (54), 'Requestor Code' (54), 'Lock Priority' (0), 'Status Level' (LEVEL 1), 'Status Method' (DEF), and 'Destination' (RENTRY 8). Below these are four 'Include List' fields: 'Levels of Control List', 'Source Include List', 'Destination Include List', and 'Salvo Include List', all set to 'PNADR 54'. At the bottom, there are 'Data Key List' (PNADR 54), 'Salvo Key List' (PNADR 54), and 'Soft Keys' fields. 'OK' and 'Cancel' buttons are at the bottom center.

Typical Panel Configuration Window

Control Panel Configuration Items Table

	Panel Name	Panel Address	Requestor Code	Lock Priority	Status Level	Status Method	Destination	Levels of Control List	Source Include List	Destination Include List	Salvo Include List	Data Key List	Salvo Key List	Soft Keys	Displays
241	X	X	X	X	X	X	X	X				X			
48X	X	X	X	X	X	X	X	X				X			
LCXY	X	X	X	X	X	X	X	X	X	X					
MB2	X	X	X	X	X	X		X	X	X	X	X		X	
MLDT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MLDT2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MLTP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MLTP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STAT	X	X	X	X											X
TP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
XY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

The command and configuration functions in the Panel Configuration Window allow you to complete the configuration of a control panel or to edit the configuration of a selected control panel. Please note that each control panel type has its own individualized Panel Configuration Window. Each individualized Panel Configuration Window has all the data fields and command and configuration functions necessary to fully configure each control type for operation within the Win3300 Control System. The following manual subsections discuss the configuration and command functions that may be found in each Panel Configuration Window.

Add

To add a new control panel, complete all the configuration items listed for the selected control panel type and select OK. Selecting OK will add to control panel to the current configuration and return you to the Panel Window. Selecting Cancel will abort the entire operation.

Edit

To edit a previously configured control panel’s configuration information, update the configuration information listed for the selected control panel as necessary and select OK. Selecting OK will update the selected panel’s configuration information and return you to the Panel Window. Selecting Cancel will abort the entire operation.

Copy

To copy a previously configured control panel’s configuration information to a new control panel, update the Address Data Field and select OK. The Address Data Field must be updated because all control panels require a unique address. Selecting OK will copy the selected panel’s configuration information to the new control panel and will return you to the Panel Window. Selecting Cancel will abort the entire operation.

Panel Name

A name is not required for a panel but one may be assigned if desired. A panel's uniqueness is determined by its address. If a name is assigned, it may be any alphanumeric name up to eight characters long and the first character must be an alphabetical character. Spaces are also allowed within a control panel's name. To continue a control panel's initial configuration enter the desired control panel name or change the control panel name if desired while editing a previously configured control panel's configuration.

Panel Address

Each control panel must be assigned a unique address during configuration. The address range for the control panels is listed in the Win3300 General Statistics Table. The assigned address uniquely identifies the panel to the system controller. The control panel's logically assigned address must match its physical address. Please refer to the individual control panel manuals for more information.

To continue a control panel's initial configuration enter the desired control panel address or change the control panel address if necessary while editing a previously configured control panel's configuration. When copying a control panel's configuration information to another control panel it is necessary to enter a new panel address as all control panel addresses must be unique.

Requester Code

Each control panel may be assigned a requester code during configuration. The range of control panel requester codes is listed in the Win3300 General Statistics Table. The requester code is used in conjunction with the lock priority to determine if a lock/protect on a destination can be effected by a particular panel (or port). When a lock/protect has been assigned by a panel (or port) to a destination the lock/protect can be altered by another panel (or port) with a higher lock priority or with the same lock priority and same requester code. If a requester code is not assigned by the user, it is automatically assigned the same number as the panel address.

To continue a control panel's initial configuration enter the desired control panel requester code. If you are editing the configuration information of a previously configured control panel change the control panel requester code if necessary.

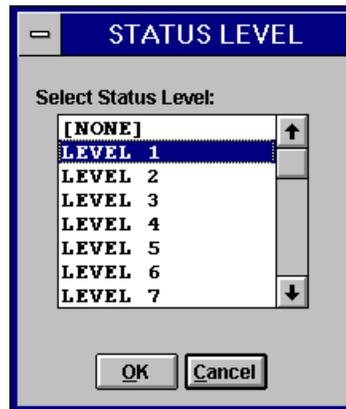
Lock Priority

Each control panel must be assigned a lock priority during configuration. The default priority set by the 3300 Control System is '0', the highest priority. The range of control panel lock priorities is listed in the Win3300 General Statistics Table. The assigned lock priority determines the security level of locks and protects. The higher the number, the lower the priority. For example, if a control panel (or port) with lock priority of "2" locks a destination another control panel (or port) would have to have an assigned lock priority of "2" and the same assigned requester code as the control panel (or port) which locked the destination to unlock it. For this example, if a control panel does not have the same requester code, then its lock priority must be "1" or "0" to unlock the destination. A priority of "0" allows the panel to lock/protect regardless of the requester code.

To continue a control panel's initial configuration enter the desired control panel lock priority. If you are editing the configuration information of a previously configured control panel change the control panel lock priority if necessary.

Status Level

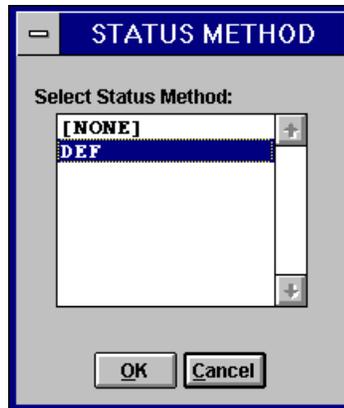
The selected status level of a control panel determines the level upon which the control panel will be statused. To select the status level to be assigned to the control panel click on the Status Level Field. Clicking on the Status Level Field will open the Status Level Window. Scroll through the Select Status Level List in the Status Level Window until the desired status level is highlighted. Once the desired status level is highlighted select OK. Selecting OK will return you to the Panel Configuration Window and will update the Status Level Field. Selecting Cancel in the Status Level Window will abort the status level operation. You may also select the desired status level by scrolling through the Status Level List until the desired status level is visible and then doubling clicking on it. Doubling clicking on the desired status level will return you to the Panel Configuration Window and will update the Status Level Field. The selection of a status level is required.



Status Level Window

Status Method

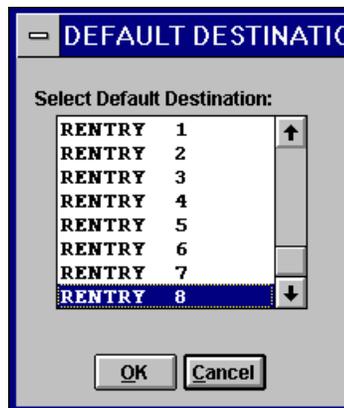
The selected status method of a control panel determines the method the control panel will utilize to be statused. To select the status method to be assigned to the control panel click on the Status Method Field. Clicking on the Status Method Field will open the Status Method Window. Scroll through the Select Status Method List in the Status Method Window until the desired status method is highlighted. Once the desired status method is highlighted select OK. Selecting OK will return you to the Panel Configuration Window and will update the Status Method Field. Selecting Cancel in the Status Method Window will abort the status method operation. You may also select the desired status method by scrolling through the Status Method List until the desired status method is visible and then doubling clicking on it. Doubling clicking on the desired status method will return you to the Panel Configuration Window and will update the Status Method Field. **NOTE:** Currently the only method of statusing available is the default method, DEF. The default method indicates that status will be a function of what occurs on the selected status level.



Status Method Window

Destination

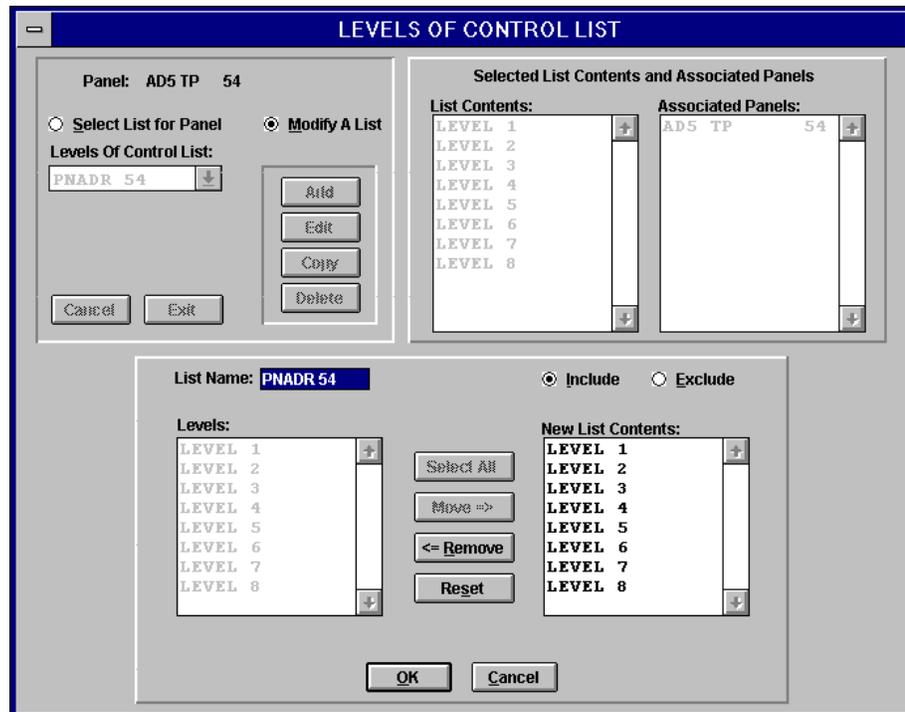
The selected default destination of a control panel determines the destination the control panel will control upon power-up and until another destination is selected. Control panels are not required to have default destinations assigned for configuration purposes; however, this would be a vacuous configuration for the control panel in that it would have a selected destination to control. To select the default destination to be assigned to the control panel click on the Destination Field. Clicking on the Destination Field will open the Default Destination Window. Scroll through the Select Default Destination List in the Default Destination Window until the desired destination is highlighted. Once the desired destination is highlighted select OK. Selecting OK will return you to the Panel Configuration Window and will update the Destination Field. Selecting Cancel in the Default Destination Window will abort the default destination operation. You may also select the default destination by scrolling through the Default Destination List until desired destination is visible and then double clicking on it. Double clicking on the desired destination will return you to the Panel Configuration Window and will update the Destination Field.



Default Destination Window

Levels of Control List

The Levels of Control List is comprised of the levels the selected control panel will have control over. To build or choose a Levels of Control List click on Levels of Control List Data Field. Clicking on the Levels of Control List Data Field will open the Levels of Control List Window. The Levels of Control List Window contains all the command functions necessary to build, modify, copy, or delete a Levels of Control List. Functions are also provided to select a Levels of Control List for the currently selected control panel. Please note that once a Levels of Control List is constructed it can be utilized by any control panels that may use Level of Control Lists. The Levels of Control List, "ALL" is a special uneditable list that contains all levels.



Levels of Control List Window

Add

To construct a new Levels of Control List select Modify A List if it is not already selected. Once Modify A List is selected, select Add to continue building a new Levels of Control List. Enter the desired list name in the List Name Data Field. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Levels of Control List names must be unique. Once the desired list name is chosen select Include or Exclude. Levels of Control Lists can be configured as a function of either including the desired levels to make up the list, or excluding the levels which not be in the list. The selection of Include or Exclude is a manner of personal preference in building the list and should be selected for personal ease in configuration of the desired Levels of Control List.

Once Include or Exclude is selected build the Selected Levels List from the Levels List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. After the desired entries appear in the New List Contents Data Field, select OK to complete construction of the new Levels of Control List. Selecting Cancel will abort the operation. After selecting OK, the contents of the newly constructed list will appear in the List Contents Box at the top of the window. Note that if the list was built using “Include” it will appear the same as it did during construction. However, if the list was built using “Exclude” the list that appears in the List Contents Box contains all possible entries for levels **except** those that were listed in the New List Contents Box during construction.

Edit

To edit or modify an existing Levels of Control List select the list to edit by scrolling through the Levels of Control List names list until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Edit to continue the editing process. Make any necessary changes to the selected Levels of Control List name and to the list contents. Changes are made to the contents of the selected Levels of Control List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. Once all required changes have been made, select OK to continue the editing process. Selecting OK will open the List Change Warning Window. Selecting Cancel will abort the operation.



List Change Warning Window

Select Yes in the List Change Warning Window to complete the editing of the selected Levels of Control List. Selecting No in the List Change Warning Window will abort the editing process.

Copy

To copy an existing Levels of Control List configuration select the list to be copied by scrolling through the Levels of Control List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the List Name Data Field. A new list name is required because all Levels of Control List names must be unique. Once a new name is entered into the List Name Data Field select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Levels of Control List select the list to be deleted by scrolling through the Levels of Control List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of two Confirm Delete Windows. If any other control panels also use the Levels of Control List to be deleted, the first Confirm Delete Window is displayed. Otherwise the second Confirm Delete Window is displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Levels of Control List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

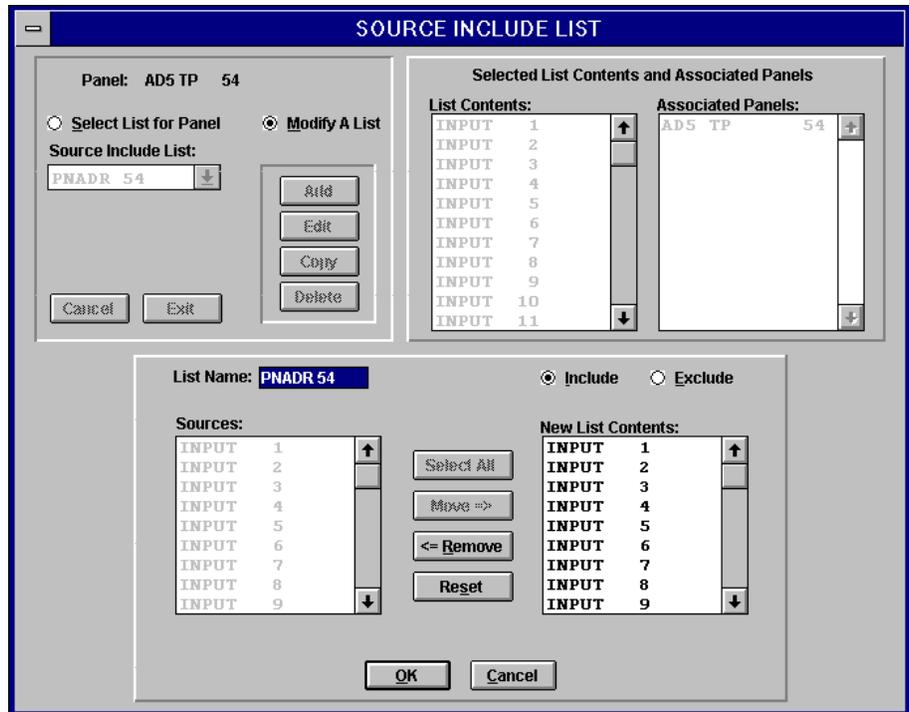
To select an existing Levels of Control List for a control panel select the desired list by scrolling through the Levels of Control List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Levels of Control List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Levels of Control List Window select Exit. Selecting Cancel will abort the Levels of Control List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Source Include List

The Source Include List is comprised of the sources the selected control panel will have control over. To build or choose a Source Include List click on the Source Include List Data Field. Clicking on the Source Include List Data Field will open the Source Include List Window. The Source Include List Window contains all the command functions necessary to build, modify, copy, or delete a Source Include List. Functions are also provided to select a Source Include List for the currently selected control panel. Please note that once a Source Include List is constructed it can be utilized by any control panels that may use a Source Include List. The Source Include List, "ALL" is a special uneditable list that contains all sources.



Source Include List Window

Add

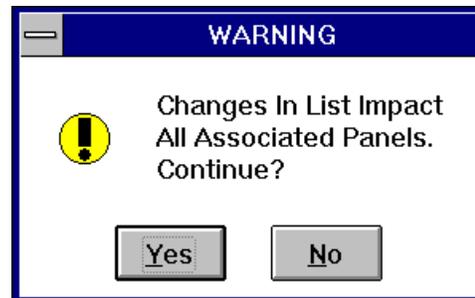
To construct a new Source Include List select Modify A List if it is not already selected. Once Modify A List is selected, select Add to continue building a new Source Include List. Enter the desired list name in the List Name Data Field. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Source Include List names must be unique. Once the desired list name is chosen select Include or Exclude. Source Include Lists can be configured as a function of either including the desired sources to make up the list, or excluding the sources which should not be in the list. The selection of Include or Exclude is a manner of personal preference in building the list and be selected for personal ease in configuration of desired Source Include List.

Once Include or Exclude is selected build the Selected Sources List from the Sources List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. After the desired entries appear in the New List Contents Data Field, select OK to complete construction of the new Source Include List. Selecting Cancel will abort the operation.

After selecting OK, the contents of the newly constructed list will appear in the List Contents Box at the top of the window. Note that if the list was built using “Include” it will appear the same as it did during construction. However, if the list was built using “Exclude” the list that appears in the List Contents Box contains all possible entries for levels **except** those that were listed in the New List Contents Box during construction.

Edit

To edit or modify an existing Source Include List select the list to edit by scrolling through the Source Include List names list until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Edit to continue the editing process. Make any necessary changes to the selected Source Include List name and to the list contents. Changes are made to the contents of the selected Source Include List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. Once all required changes have been made select OK to continue the editing process. Selecting OK will open the List Change Warning Window. Selecting Cancel will abort the operation.



List Change Warning Window

Select Yes in the List Change Warning Window to complete the editing of the selected Source Include List. Selecting No in the List Change Warning Window will abort the editing process.

Copy

To copy an existing Source Include List configuration select the list to be copied by scrolling through the Source Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the List Name Data Field. A new list name is required because all Source Include List names must be unique. Once a new name is entered into the List Name Data Field select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Source Include List select the list to be deleted by scrolling through the Source Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of the two Confirm Delete Windows. If any other control panels also use the Source Include List to be deleted, the first Confirm Delete Window is displayed. Otherwise the second Confirm Delete is displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Source Include List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

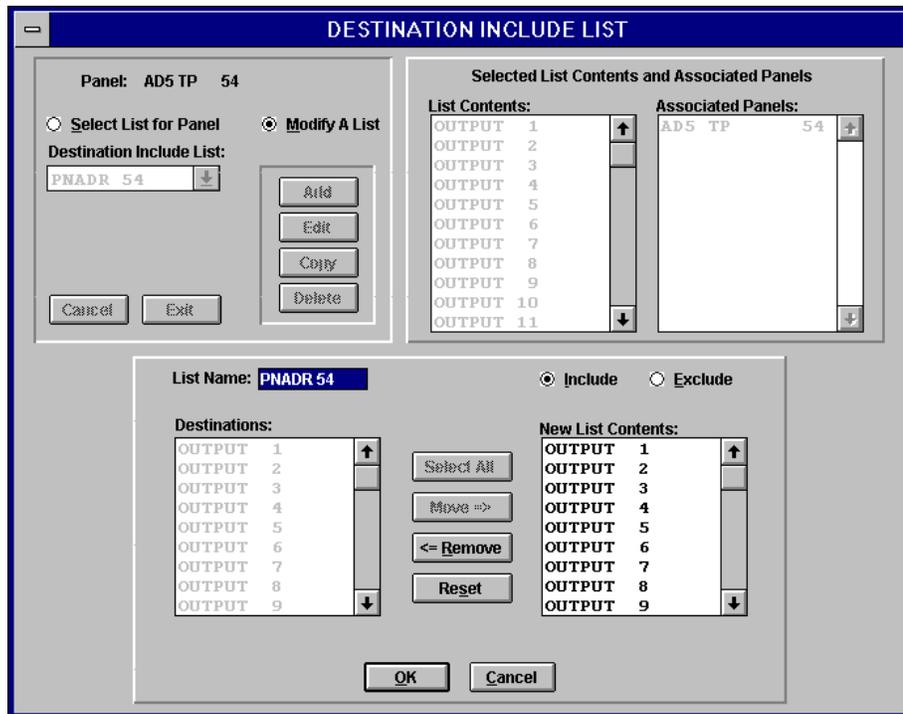
To select an existing Source Include List for a control panel select the desired list by scrolling through the Source Include List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Source Include List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Source Include List Window select Exit. Selecting Cancel will abort the Source Include List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Destination Include List

The Destination Include List is comprised of the destinations the selected control panel will have control over. To build or choose a Destination Include List click on the Destination Include List Data Field. Clicking on the Destination Include List Data Field will open the Destination Include List Window. The Destination Include List Window contains all the command functions necessary to build, modify, copy, or delete a Destination Include List. Functions are also provided to select a Destination Include List for the currently selected control panel. Please note that once a Destination Include List is constructed it can be utilized by any control panels that may use a Destination Include List. The default Destination Include List, “ALL” is special uneditable list that contains all destinations.



Destination Include List Window

Add

To construct a new Destination Include List select Modify A List if it is not already selected. Once Modify A List is selected, select Add to continue building a new Destination Include List. Enter the desired list name in the List Name Data Field. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Destination Include List names must be unique. Once the desired list name is chosen select Include or Exclude. Destination Include Lists can be configured as a function of either including the desired destinations to make up the list, or excluding the destinations which should not be in the list. The selection of Include or Exclude is a manner of personal preference in building the list and should be selected for personal ease in configuration of the desired Destination Include List.

Once Include or Exclude is selected build the Selected Destinations List from the Destinations List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. After the desired entries appear in the New List Contents Data Field select OK to complete construction of the new Destination Include List. Selecting Cancel will abort the operation. After selecting OK, the contents of the newly constructed list will appear in the List Contents Box at the top of the window. Note that if the list was built using "Include" it will appear the same as it did during construction. However, if the list was built using "Exclude" the list that appears in the List Contents Box contains all possible entries for levels **except** those that were listed in the New List Contents Box during construction.

Edit

To edit or modify an existing Destination Include List select the list to edit by scrolling through the Destination Include List names list until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Edit to continue the editing process. Make any necessary changes to the selected Destination Include List name and to the list contents. Changes are made to the contents of the selected Destination Include List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. Once all required changes have been made select OK to continue the editing process. Selecting OK will open the List Change Warning Window. Selecting Cancel will abort the operation.



List Change Warning Window

Select Yes in the List Change Warning Window to complete the editing of the selected Source Include List. Selecting No in the List Change Warning Window will abort the editing process.

Copy

To copy an existing Destination Include List configuration select the list to be copied by scrolling through the Destination Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the List Name Data Field. A new list name is required because all Destination Include List names must be unique. Once a new name is entered into the List Name Data Field select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Destination Include List select the list to be deleted by scrolling through the Destination Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of the two Confirm Delete Windows. If any other control panels also use the Destination Include List to be deleted, the first Confirm Delete Window is displayed. Otherwise the second Confirm Delete Window is displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Destination Include List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

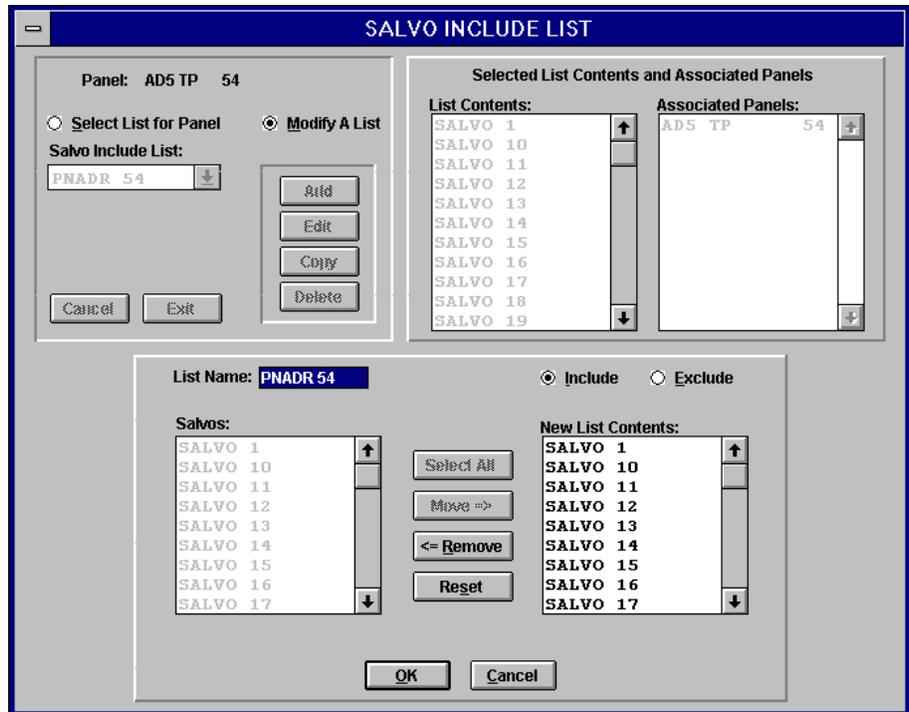
To select an existing Destination Include List for a control panel select the desired list by scrolling through the Destination Include List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Destination Include List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Destination Include List Window select Exit. Selecting Cancel will abort the Destination Include List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Salvo Include List

The Salvo Include List is comprised of the salvos the selected control panel will have control over. To build or choose a Salvo Include List click on the Salvo Include List Data Field. Clicking on the Salvo Include List Data Field will open the Salvo Include List Window. The Salvo Include List Window contains all the command functions necessary to build, modify, copy, or delete a Salvo Include List. Functions are also provided to select a Salvo Include List for the currently selected control panel. Please note that once a Salvo Include List is constructed it can be utilized by any control panels that may use a Salvo Include List. The Salvo Include List, "ALL" is a special uneditable list that contains all salvos.



Salvo Include List Window

Add

To construct a new Salvo Include List select Modify A List if it is not already selected. Once Modify A List is selected, select Add to continue building a new Salvo Include List. Enter the desired list name in the List Name Data Field. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Salvo Include List names must be unique. Once the desired list name is chosen select Include or Exclude. Salvo Include Lists can be configured as a function of either including the desired salvos to make up the list, or excluding the salvos which should not be in the list. The selection of Include or Exclude is a manner of personal preference in building the list and should be selected for personal ease in configuration of the desired Salvo Include List.

Once Include or Exclude is selected build the Selected Salvos List from the Salvos List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. After the desired entries appear in the New List Contents Data Field, select OK to complete the construction of the new Salvo Include List. Selecting Cancel will abort the operation. After selecting OK, the contents of the newly constructed list will appear in the List Contents Box at the top of the window. Note that if the list was built using “Include” it will appear the same as it did during construction. However, if the list was built using “Exclude” the list that appears in the List Contents Box contains all possible entries for levels **except** those that were listed in the New List Contents Box during construction.

Edit

To edit or modify an existing Salvo Include List select the list to edit by scrolling through the Salvo Include List names list until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Edit to continue the editing process. Make any necessary changes to the selected Salvo Include List name and to the list contents. Changes are made to the contents of the selected Salvo Include List by using the Select All, Move, Remove, and Reset commands to move items to or remove items from the New List Contents Data Field. Items can also be moved to or removed from the New List Contents Data Field by double clicking on them. Once all required changes have been made select OK to continue the editing process. Selecting OK will open the List Change Warning Window. Selecting Cancel will abort the operation.



List Change Warning Window

Select Yes in the List Change Warning Window to complete the editing of the selected Salvo Include List. Selecting No in the List Change Warning Window will abort the editing process.

Copy

To copy an existing Salvo Include List configuration select the list to be copied by scrolling through the Salvo Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the List Name Data Field. A new list name is required because all Salvo Include List names must be unique. Once a new name is entered into the List Name Data Field select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Salvo Include List select the list to be deleted by scrolling through the Salvo Include List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of the two Confirm Delete Windows. If any other control panels also use the Salvoes Include List to be deleted, the first Confirm Delete Window will open. Otherwise, the second Confirm Delete Window will be displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Salvo Include List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

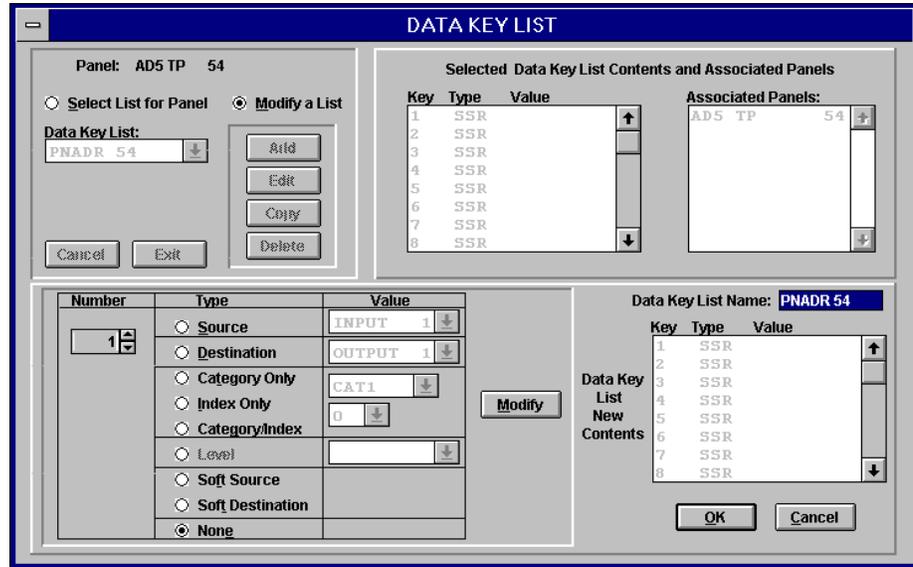
To select an existing Salvo Include List for a control panel select the desired list by scrolling through the Salvo Include List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Salvo Include List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Salvo Include List Window select Exit. Selecting Cancel will abort the Salvo Include List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Data Key List

The Data Key List is comprised of the definitions of the user configurable control panel keys. To build or choose a Data Key List click on the Data Key List Data Field. Clicking on the Data Key List Data Field will open the Data Key List Window. The Data Key List Window contains all the command functions necessary to build, modify, copy, or delete a Data Key List. Functions are also provided to select a Data Key List for the currently selected control panel. Please note that once a Data Key List is constructed it can be utilized by any control panels of the same type.



Data Key List Window

Add

To construct a new Data Key List select Modify A List if it is not already selected. Once Modify A List is selected, select Add to continue building a new Data Key List. Enter the desired list name in the Data Key List Name Data Field. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Data Key List names must be unique. Once the Data Key List name is entered into the Data Key List Name Data Field spin through the Key Number List until the desired key number is displayed, or type in the desired number. When adding a new Data Key List it is usually logical to begin at “1” and work upwards to the highest selectable key number. Next select the data key type. Only the data key types applicable to the current control panel type will be selectable. Possible key type selections include source, destination, category, index, category/index, level, soft source, soft destination, and none.

Once the key type is selected select the applicable value. The value selection consists of selecting a source name, destination name, category name, index name, or combination of a category index name dependent upon the selection of key type. For example, if source is selected as the key type you would select a source name as the key value. Once the key's number, type, and value, if applicable, have been selected, select Modify to add the key's definition to the Data Key List. The update will appear in the Data Key List New Contents Box. Continue adding key definitions to the Data Key List until all desired user configurable keys are defined. Once all of the desired user configurable data keys are defined select OK to complete the addition of a new Data Key List. Selecting Cancel will abort the addition of the new Data Key List.

Edit

To edit or modify an existing Data Key List select the list to edit by scrolling through the Data Key List names list until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Edit to continue the editing process. Make any necessary changes to the selected Data Key List's name and to the list contents and data key definitions. To change the data key definitions and list contents spin through (or type in) the data key numbers to any key numbers that need to be redefined while making any necessary changes to key type and value selections. Remember to select Modify after each data key definition change to update the selected Data Key List. Once all necessary edits are completed, select OK to continue the editing process. Selecting OK will open the List Change Warning Window. Selecting Cancel will abort the entire edit operation.



List Change Warning Window

Select Yes in the List Change Warning Window to complete the editing of the selected Data Key List. Selecting No in the List Change Warning Window will abort the editing process.

Copy

To copy an existing Data Key List to a new Data Key List select the list to be copied by scrolling through the Data Key List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the Data Key List Name Data Field. A new list name is required because all Data Key List names must be unique. Once a new name is entered into the Data Key List Name Data Field, select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Data Key List select the list to be deleted by scrolling through the Data Key List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of three Confirm Delete Windows. If any other control panels also use the Data Key List, and soft key definitions are impacted by the deletion, the first Confirm Delete Window is displayed. If no soft key definitions are impacted, but other control panels use the Data Key List, the second Confirm Delete Window is displayed. If there are no impacted items on other control panels, the third Confirm Delete Window is displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Salvo Include List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

To select an existing or a newly configured Data Key List for a control panel select the desired list by scrolling through the Data Key List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Data Key List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Data Key List Window select Exit. Selecting Cancel will abort the Data Key List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Salvo Key List

The Salvo Key List is comprised of the definitions of the user configurable control panel salvo keys. To build or choose a Salvo Key List click on the Salvo Key List Data Field. Clicking on the Salvo Key List Data Field will open the Salvo Key List Window. The Salvo Key List Window contains all the command functions necessary to build, modify, copy, or delete a Salvo Key List. Functions are also provided to select a Salvo Key List for the currently selected control panel. Please note that once a Salvo Key List is constructed it can be utilized by any control panels of the same type.

Panel: AD5 TP 54

Select List for Panel Modify a List

Salvo Key List: PNADR 54

Buttons: Add, Edit, Copy, Delete, Cancel, Exit

Selected Salvo Key List Contents and Associated Panels

Key	Type	Value
1	SLV	SALVO 1
2	SLV	SALVO 2
3	SLV	SALVO 3
4	SLV	SALVO 4
5	SLV	SALVO 5
6	SLV	SALVO 6
7	SLV	SALVO 7
8	SLV	SALVO 8

Associated Panels: AD5 TP 54

Salvo Key List Name: PNADR 54

Number	Type	Value
1	<input type="radio"/> Salvo <input checked="" type="radio"/> None	SALVO 1

Modify

Salvo Key List New Contents

Key	Type	Value
1	SLV	SALVO 1
2	SLV	SALVO 2
3	SLV	SALVO 3
4	SLV	SALVO 4
5	SLV	SALVO 5
6	SLV	SALVO 6
7	SLV	SALVO 7
8	SLV	SALVO 8

Buttons: OK, Cancel

Salvo Key List Window

Add

To construct a new Salvo Key List select **Modify A List** if it is not already selected. Once **Modify A List** is selected, select **Add** to continue building a new Salvo Key List. Enter the desired list name in the **Salvo Key List Name Data Field**. List names can be any alphanumeric name up to eight characters long. The leading character must be an alphabetical character and spaces are allowed within the name. Salvo Key List names must be unique. Once the Salvo Key List name is entered into the **Salvo Key List Name Data Field** spin through the **Key Number List** until the desired key number is displayed, or type in the desired number. When adding a new Salvo Key List it is usually logical to begin at the first available key number and work upwards to the highest available key number. Next select the key type (salvo or none). Once the key type is selected select the applicable value. The value selection consists of selecting a previously configured salvo name from the **Value List**. Once the key's number, type, and value has been selected, select **Modify** to add the key's definition to the Salvo Key List. The update will appear in the **Salvo Key List New Contents Box**. Continue adding key definitions to the Salvo Key List until all of the desired salvo keys are defined by spinning the number field to the next number (or typing in the number) and making the appropriate type and value selections. Once all of the user configurable salvo keys are defined select **OK** to complete the addition of a new Salvo Key List. Selecting **Cancel** will abort the addition of the new Salvo Key List.

Edit

To edit or modify an existing Salvo Key List select the list to edited by scrolling through the **Salvo Key List names list** until the desired list is highlighted. Once the desired list is highlighted select **Modify A List** and then **Edit** to continue the editing process. Make any necessary changes to the selected Salvo Key List's name and to the list contents and salvo key definitions. To change the salvo key definitions and list contents spin through (or type in) the salvo key numbers to any key numbers that need to be redefined while making any necessary changes to key type and value selections. Remember to select **Modify** after each salvo key definition change to update the selected Salvo Key List. Once all necessary edits are completed, select **OK** to continue the editing process. Selecting **OK** will open the **List Change Warning Window**. Selecting **Cancel** will abort the entire edit operation.



List Change Warning Window

Select **Yes** in the **List Change Warning Window** to complete the editing of the selected Salvo Key List. Selecting **No** in the **List Change Warning Window** will abort the editing process.

Copy

To copy an existing Salvo Key List to a new Salvo Key List select the list to be copied by scrolling through the Salvo Key List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Copy to continue the copying process. Enter the new list name (the list name to be copied to) in the Salvo Key List Name Data Field. A new list name is required because all Salvo Key List names must be unique. Once a new name is entered into the Salvo Key List Name Data Field, select OK to complete the copying process. Selecting Cancel will abort the operation.

Delete

To delete an existing Salvo Key List select the list to be deleted by scrolling through the Salvo Key List names until the desired list is highlighted. Once the desired list is highlighted select Modify A List and then Delete to continue the deletion process. Selecting delete will open one of two Confirm Delete Windows. If any other control panels also use the Salvo Key List to be deleted, the first Confirm Delete Window is displayed. Otherwise, the second Confirm Delete Window is displayed.



Confirm Delete Windows

Select Yes in the respective Confirm Delete Window to complete the deletion of the selected Salvo Include List. Selecting No in the respective Confirm Delete Window will abort the delete operation.

Select

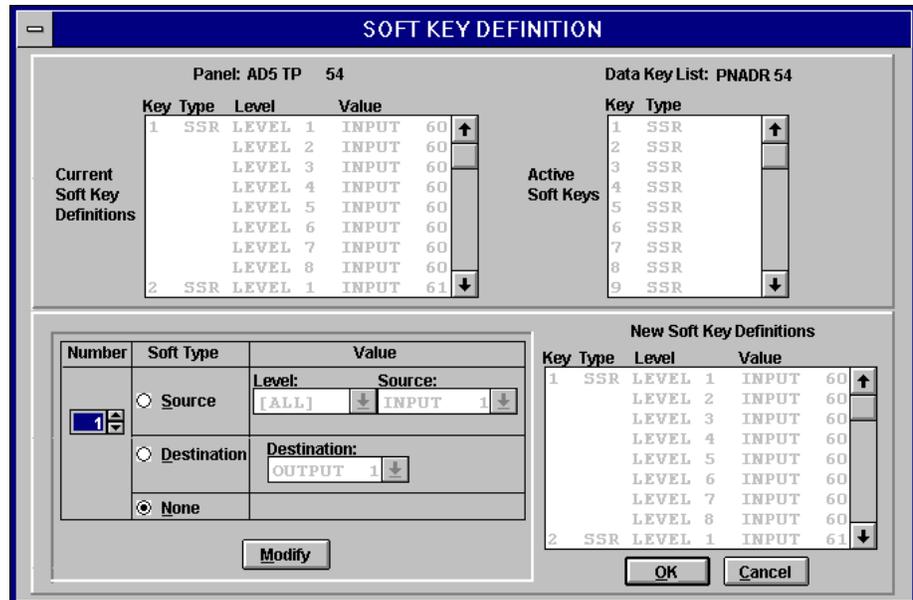
To select an existing or a newly configured Salvo Key List for a control panel select the desired list by scrolling through the Salvo Key List names until the desired list name is highlighted. Once the desired list is highlighted, select Select List for Panel if it is not already selected to complete the selection of an existing Salvo Key List for the control panel.

Exit

To return to the Panel Configuration Window after you have completed all necessary configuration functions in the Salvo Key List Window select Exit. Selecting Cancel will abort the Salvo Key List selection and will return you to the Panel Configuration Window. Please note that in order to select Exit or Cancel you must have Select List for Panel selected.

Soft Keys

Please note that in order to successfully configure soft keys there must be data keys defined as soft keys in the currently selected Data Key List. To configure the user defined soft keys select the Soft Keys Data Field. Selecting the Soft Keys Data Field will open the Soft Key Definition Window. The Soft Key Definition Window contains all of the command functions and data fields necessary to configure the user defined soft keys. Soft key definitions apply only to the currently selected control panel.



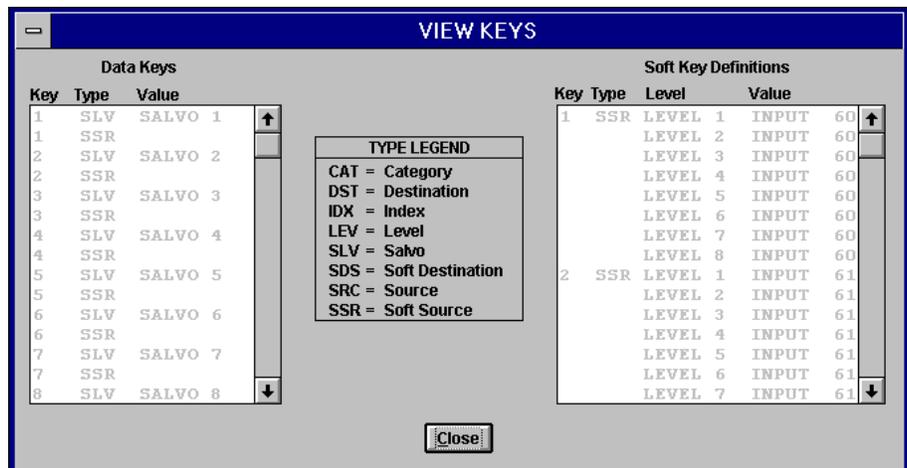
Soft Key Definition Window

To finish configuring the user defined soft keys, spin through the Key Number List to the first applicable key number. If you try to configure a data key that is not defined as a soft key a warning message will be displayed. Next select the Soft Key Type. User choices are source, destination, or none. Please note that only the key types applicable to the selected key number will be selectable. Once the key type is selected, select the key value. Selecting the soft source key value consists of selecting a level and source by scrolling through the Level List and Source List and selecting the appropriate level and source name.

The level selection should be the level you wish the selected source to be switched on when the soft key is activated. The level selection is “ALL”, is the same as an audio-follow-video switch. Selecting a soft destination key value consists of selecting a destination by scrolling through the Destination List and selecting the appropriate destination. Select Modify after each soft key is defined to have the update reflected in the New Soft Key Definitions List. Continue scrolling through the Key Number List and defining soft keys until all applicable keys are defined. Use the Active Soft Keys List as a guide to the applicable data key numbers as designated by the Data Key List associated with the selected control panel. Once all of the applicable soft numbers are defined, select OK to save the soft key definitions and to return to the Panel Configuration Window. Selecting Cancel will abort the soft key definition process and will return you to the Panel Configuration Window.

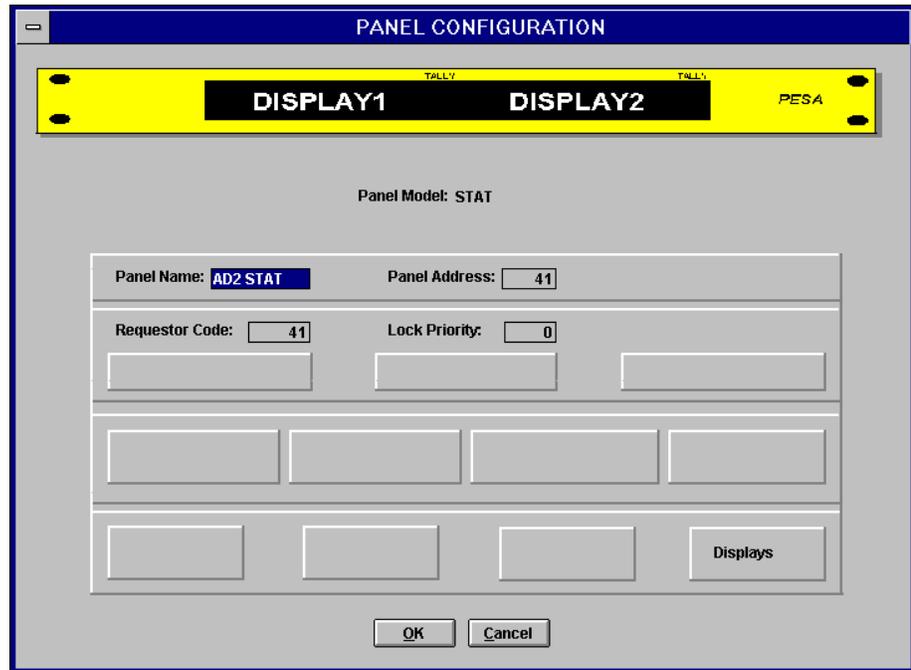
View Keys

The View Keys option allows you to view the user defined key lists for the currently selected control panel with a single mouse click. To open the View Keys Window click on the image of the currently selected control panel in the upper portion of the Panel Configuration Window. The View Keys Window contains a listing of all user configured data keys by number, type, and value. The View Keys Window also contains, if applicable, a listing of all user configured soft key definitions by key, type, level, and value. Once you are finished viewing the key lists, select Close to return to the Panel Configuration Window.



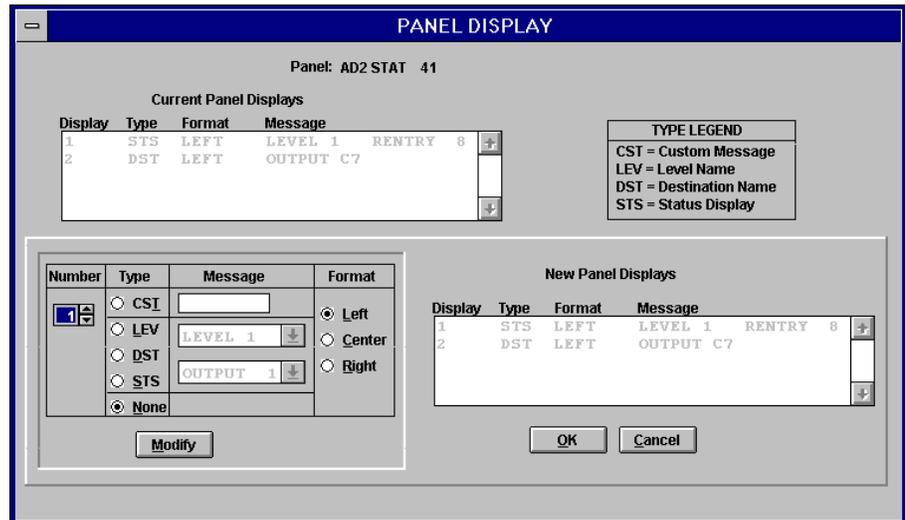
View Keys Window

Displays



STAT Panel Configuration Window

To configure the user defined status displays select the Displays Data Field in the Panel Configuration Window. Selecting the Displays Data Field will open the Panel Display Window. The Panel Display Window contains all of the command functions and data fields necessary to configure the user defined status displays.

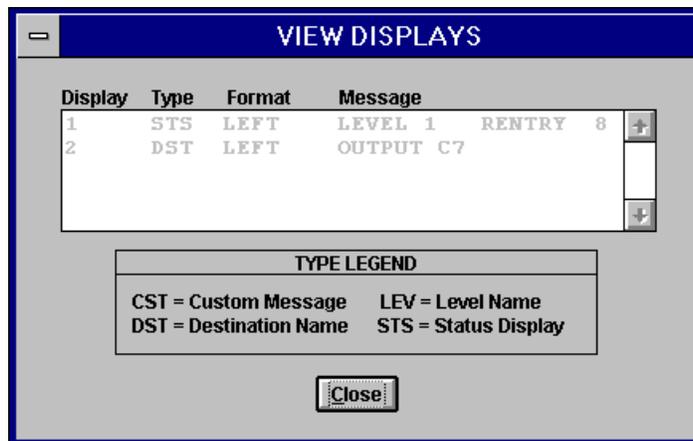


Displays Configuration Window

To finish configuring the user defined displays, spin through (or type in) the Display Number List to the first applicable display number. Next select the Display Type. User choices are custom message (CST), level name (LEV), destination name (DST), status display (STS), or none. Custom display messages can be up to eight alphanumeric characters and can contain spaces. Once the display type is selected, either enter the custom message into the Message Data Field or select the source, destination, or status to be displayed dependent upon the display type selection. Selecting source, destination, or status display consists of scrolling through the appropriate list and selecting the appropriate name to be displayed. A format of left, center, right may be chosen to indicate left, center, or right justification of the message on the actual panel display. Select Modify after each display is defined to update the New Panel Displays List. Continue spinning through the Display Number List and defining displays until all applicable displays are defined. Use the Current Panel Displays List as a guide to the applicable display numbers. Once all of the applicable displays are defined, select OK to save the display definitions and to return to the Panel Configuration Window. Selecting Cancel will abort the display definition process and will return you to the Panel Configuration Window.

View Displays

The View Displays option allows you to view the user defined display list for the currently selected control panel with a single mouse click. To open the View Displays Window click on the image of the currently selected control panel in the upper portion of the Panel Configuration Window. The View Displays Window contains a listing of the user configured displays by display number, type, and message. Once you are finished viewing the display list, select Close to return to the Panel Configuration Window.



View Displays Window

Exit

To exit the Panel Configuration Window and save the control panel configuration items select Exit. Selecting Cancel will abort the control panel configuration and will return you to the Panel Configuration Window.

Delete

The Delete command in the Panel Window enables you to delete a control panel configuration. Select the control panel configuration to be deleted by scrolling through the Panel List until the panel name of the control panel configuration to be deleted is highlighted. Once the desired panel name is highlighted, select Delete. Selecting Delete will open the Confirm Delete Window.



Confirm Delete Window

Selecting Yes in the Confirm Delete Window will delete the selected control panel. Selecting No will abort the delete operation.

Exit

Selecting Exit in the Panel Window will return you to the Win3300 Window.

CPU Link

The CPU link configuration allows the user to configure the 3300 Controller's serial ports. The serial ports are used to access the 3300 Controller to provide status and control. Selecting CPU Link from the Configuration menu will open the CPU Link Configuration Window. The command and configuration functions in the CPU Link Configuration Window allow you to select a CPU link port, configure the selected CPU link port, and assign a protocol to the selected CPU link port. Additionally, you may add new protocols the system configuration based on the standard PESA protocols (P1E - PESA Protocol 1 With Extensions and USP - PESA Unsolicited Response Protocol). You may also edit and delete selected protocols except for the default protocol, PROTCL1E, using the commands found in the CPU Link Configuration Window. The use of these commands is described in the following manual subsections.

CPU Link Configuration Window

Port Selection

The Port Selection in the CPU Link Configuration Window enables the selection of one of the system controller's ports for use as the CPU link port. The allowed port selections are Port 1, Port 2, and Port 4. Port 1 is the default CPU link port and is pre-configured to be utilized with the Win3300 Control System. The only configuration items allowed to be changed on Port 1 is the Port Name and the Requester Code. The selection of Port 3 is not allowed because Port 3 is utilized as the PRC communications port by the system controller. Port 2 and Port 4 can be configured to meet user specifications. To continue the configuration of the CPU link, select the port to be configured as the CPU link by clicking on the desired port number.

Port Name

A name is not required for a port but one may be assigned if desired. A port's uniqueness is determined by its address. If a name is assigned, it may be any alphanumeric name up to eight characters long and the first character must be an alphabetical character. Spaces are also allowed within a port's name.

Requester Code

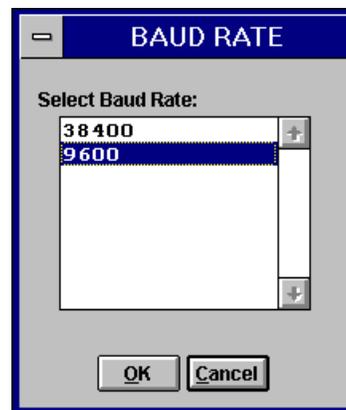
A requester code may be assigned to the CPU link port. If one is not assigned, a default is used. The requester code is used in conjunction with the lock priority to determine if a lock/protect on a destination can be effected by a particular port (or panel). When a lock/protect has been assigned by a port (or panel) to a destination the lock/protect can be altered by another port (or panel) with a higher lock priority or with the same lock priority and same requester code.

Lock Priority (Port 2 and Port 4)

CPU link ports 2 and 4 must be assigned a lock priority during configuration. The default priority set by the Win3300 Control System is "0", the highest priority. The assigned lock priority determines the security level of locks and protects performed over the CPU link port. For example, if a port (or panel) with a lock priority of "2" locks a destination another port (or panel) would have to have an assigned lock priority of "2" and the same assigned requester code as the port (or panel) which locked the destination to unlock it. If a port does not have the same requester code, then its lock priority must be "1" or "0" to unlock the destination. **NOTE:** The lock priority of port 1 is pre-configured and can not be edited.

Baud Rate (Port 2 and Port 4)

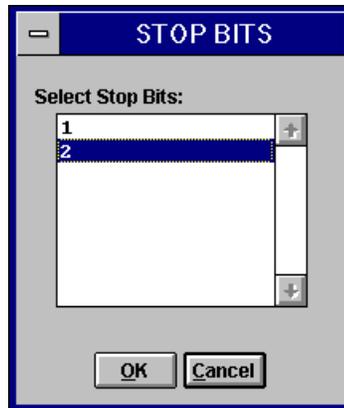
The selection of baud rate determines the rate of data exchange over the selected CPU link port. Clicking the Baud Rate Button will open the Baud Rate Window. Select the desired baud rate, then select OK to continue the configuration of the selected CPU link port. Selecting Cancel will abort the baud rate selection.



Baud Rate Window

Stop Bits (Port 2 and Port 4)

The selection of the number stop bits determines the number of bits at the end of an information packet that separate each packet of information from the next packet of information. Clicking on the Stop Bits Button will open the Stop Bits Window. Select the number of stop bits for the selected CPU link, then select OK to continue the configuration of the selected CPU link port. Selecting Cancel will abort the number of stop bits selection.



Stop Bits Window

Protocol (Port 2 and Port 4)

The protocol selection determines the communication format that the selected CPU link port will utilize for the transfer and exchange of data. The CPU link port can be configured to utilize either of PESA Switching System's proprietary protocols (PIE - PESA Protocol 1 With Extensions and USP - PESA Unsolicited Response Protocol). Additionally, the configuration of the two protocols types may be edited to make them compatible with your CPU link devices. Clicking on the Protocol Button will activate the command functions and fields in the lower half of the CPU Link Configuration Window when Port 2 or when Port 4 is selected. The following paragraphs describe the selection of a protocol and the configuration of the selected protocol.

Protocol Selection

To select an existing protocol, scroll through the Protocol List until the desired protocol is highlighted or click on the desired protocol if it is currently visible. Once the desired protocol is selected, select the Exit to the right of the Protocol List to complete the selection of the desired protocol. Selecting Cancel will abort the protocol selection.

Add

To add a new protocol configuration to the control system configuration, select the desired protocol type from the Protocol Type List, then select Add to continue the configuration of a new protocol.

Protocol Name

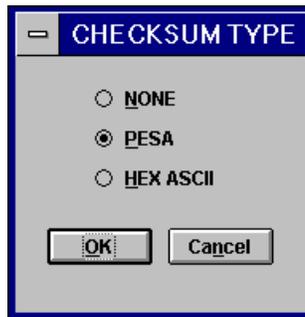
Each protocol must be assigned a unique name. The protocol name can consist of any string of alphanumeric characters up to eight characters long. To continue the configuration of a new protocol, enter the desired name into the Protocol Name Data Field.

Check Sum

Clicking on the Check Sum Button will open the Checksum Type Window. The type of check sum selected determines how the validity of transmitted data will be confirmed. There are three choice selections in the Checksum Type Window. These are:

1. None - No validity checking
2. PESA - Data validity is checked using PESA's proprietary checksum
3. HEX ASCII - Data validity is checked using a standard hexadecimal checksum

Select the desired checksum type, then select OK to continue the configuration of the new protocol. Selecting Cancel will abort the checksum selection.



Checksum Type Window

Terminator

Clicking on the Terminator Data Button will open the Terminator Window. The selection of the terminator determines how the end of the information packet or end of a command string will be handled by CPU link peripheral equipment items. There are three terminator choice selections listed in the Terminator Window:

1. CR - Carriage Return
2. LF - Line Feed
3. CL - Carriage Return/Line Feed

Select the desired terminator, then select OK to continue the configuration of the new protocol. Selecting Cancel will abort the terminator selection.



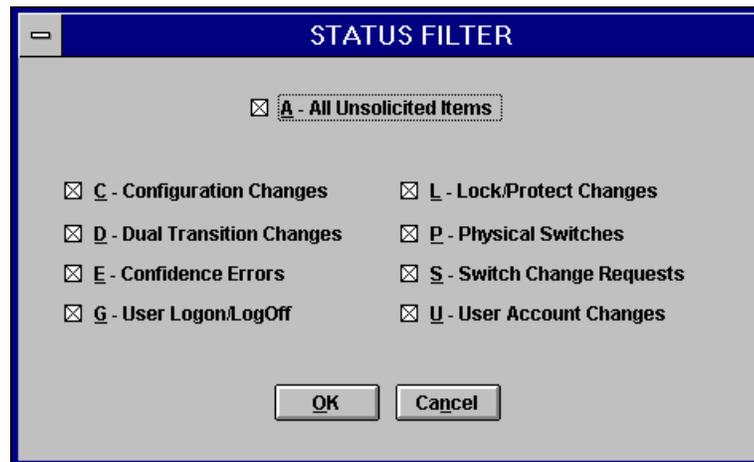
Terminator Window

Status Filter (USP Protocol Only)

Clicking on the Status Filter Button will open the Status Filter Window which allows selection of information to be statused and sent to the peripheral equipment items over the CPU link. **NOTE:** Status filtering is only active for unsolicited response protocols. There are several filtering selections listed in the Status Filter Window. These are:

1. A - All Unsolicited Items
2. C - Configuration Changes
3. D - Dual Transition Changes (Dual 3300 Control Systems Only)
4. E - Confidence Errors
5. G - User Logon/Log Off
6. L - Lock/Protect Changes
7. P - Physical Switches
8. S - Switch Change Requests
9. U - User Account Changes

To continue configuration of a new Unsolicited Response Protocol, select the desired filtering items by clicking on the filtering item name. Once all of the desired filters are selected, select OK to continue the configuration of the new protocol. Selecting Cancel will abort the filtering item selection.



Status Filter Window

Protocol Configuration Completion

Once all of the protocol's configuration items are completed, select OK to complete the configuration of the new protocol. Selecting Cancel will abort the configuration of the new protocol.

Edit

The Edit command to the right of the Protocol List enables you to make configuration changes to existing protocols except for the default protocol (PROTCL1E). To edit an existing protocol, select desired protocol, then select Edit to continue editing. Make any necessary changes to the selected protocol's name, checksum, and terminator. If the selected protocol is an unsolicited response protocol, also make any necessary changes to the selected protocol's status filtering. Once all desired configuration changes have been made to the selected protocol, select OK to save the protocol changes to the system configuration and to complete the editing process. Selecting Cancel will abort the editing process.

Delete

The Delete command to the right of the Protocol List enables you to delete any existing protocols except for the default protocol (PROTCL1E). To delete an existing protocol, select the desired protocol, then select Delete to continue the deletion process. Selecting Delete will open the Confirm Delete Window. Select Yes in the Confirm Delete Window to delete the selected protocol. Selecting No in the Confirm Delete Window will abort the deletion of the selected protocol.



Confirm Delete Window

Cancel

Selecting the Cancel command to the right of the Protocol List will abort the selection of a protocol for the selected port's configuration.

Exit

Selecting the Exit command to right of the Protocol List will save the selected protocol to the selected port's configuration. To select an existing protocol, scroll through the Protocol List until the desired protocol is highlighted or click on the desired protocol if it is currently visible. Once the desired protocol is selected, select the Exit to right of the Protocol List complete the selection of the desired protocol.

Cancel

Selecting the Cancel command below the port selections will abort any port configuration changes and will return you to the Win3300 Window.

Exit

Selecting the Exit command below the port selections will save the port configuration information to the system configuration and will return you to the Win3300 Window.

System Diagnostics

Introduction

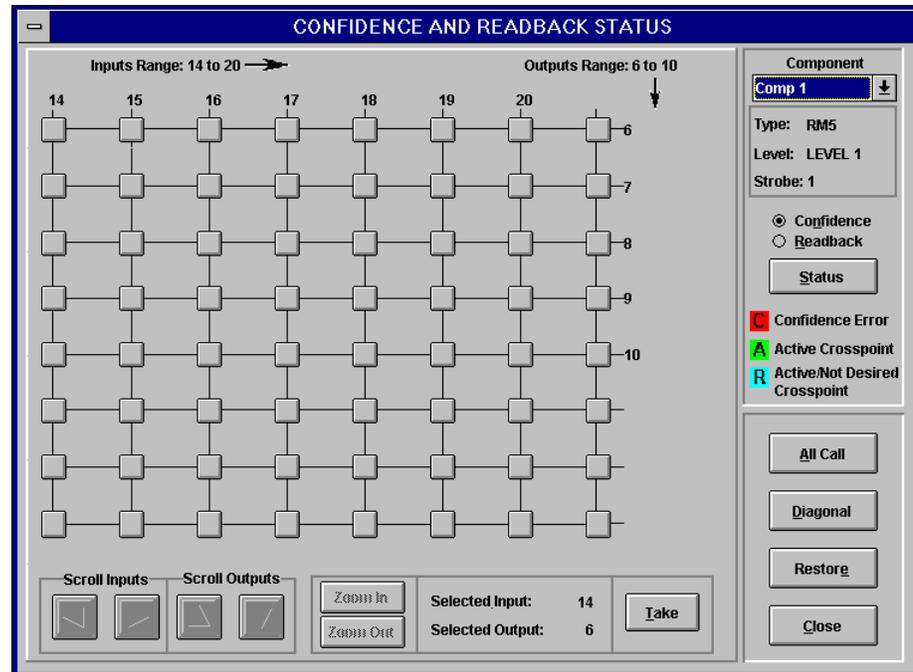
Selecting the Diagnostics menu choice in the Router menu enables you to gain access to the Physical Diagnostics, Router Physical Mapping, CPU Link Test, Clear Configuration Locks, Block Check Enable/Disable, Switcher Enable/Disable, Reset Controller, Reset Panels, and Import/Exit Functions menu choices. The selection and step-by-step guide through the execution of the Diagnostic menu choices are found in the following manual subsections.

NOTE

Prior to performing any diagnostics functions that affect the system controller's configuration or operation you must be logged on to the controller. You must also be assigned diagnostic privileges in your user account, if user accounts are used, in order to perform diagnostics that affect the system controller's operation and configuration. Please review the Log On to Controller and User Account sections of this manual prior to performing diagnostics.

Physical Diagnostics

Selecting Physical Diagnostics from the Diagnostics menu will open the Confidence and Readback Status Window. The diagnostic functions in the Confidence and Readback Status Window enable you to obtain readback and confidence status as well as perform diagnostics on a selected component. The diagnostic functions available in the Confidence and Readback Status Window are Status, All Call, Diagonal, Take, and Restore. Command functions are also provided to select the desired component, to zoom in and out of the Component Grid, and to scroll the Component Grid up and down, left and right. The following paragraphs explain in detail the use of these diagnostic and command functions.



Confidence and Readback Status Window

Component Selection

To select the desired component click on the Component List Box and scroll through the Component List, selecting the desired component. Once the desired component is selected, the Type, Level, and Strobe Data Fields will be updated to match the selected component's type (RM5 or PRC), level, and strobe information. The Component Grid will also be updated with the selected component's inputs and outputs. The input and output information will initially be displayed at a resolution so that the entire range of inputs and outputs may be viewed. If the total number of inputs/outputs is not greater than sixteen, the resolution is one. That is, each individual input and output is displayed, and the user must scroll to see all of them.

Component Grid Navigation

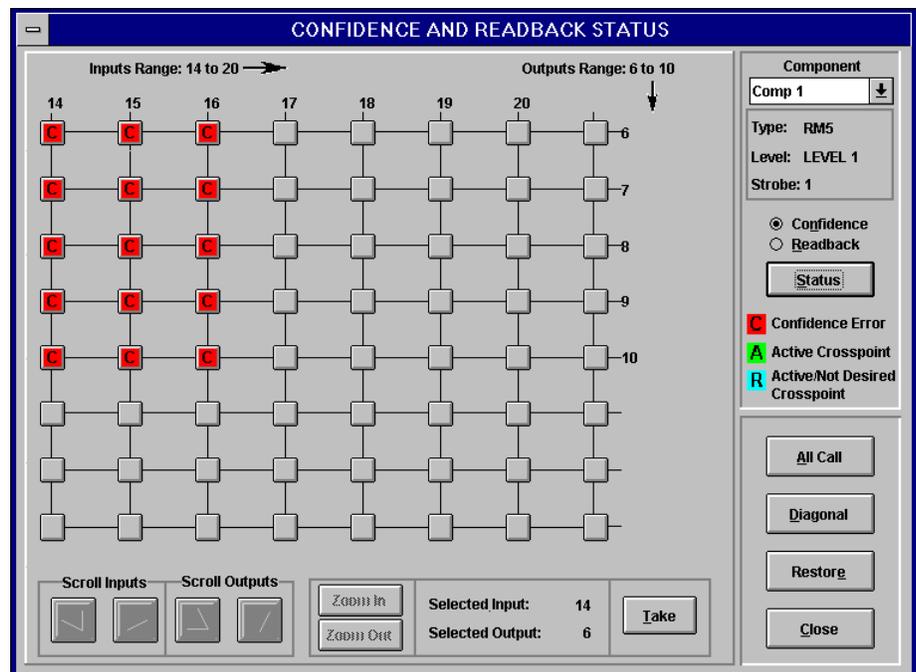
The component grid navigation keys available are Scroll Inputs (left and right), Scroll Outputs (up and down), Zoom In, and Zoom Out. The Scroll Inputs Keys enable you to scroll through the selected component's inputs. The Scroll Outputs Keys enable you to scroll through the selected component's outputs. The Zoom In Key allows you to zoom into a smaller resolution on the Component Grid until you reach the finest resolution of one (i.e. each individual input and output is displayed). The Zoom Out Key allows you to zoom to a larger resolution of the Component Grid until all of the selected component's input and output crosspoint diagnostic information will fit into the viewable range of the Component Grid. You may also click on a crosspoint on the Component Grid and then select Zoom In/Zoom Out. When you do this, the selected crosspoint moves to the upper left corner of the grid and the inputs and outputs displayed are to the next smaller/larger resolution. If the selected component has eight configured inputs or less or eight configured outputs or less the appropriate component grid navigation keys are disabled.

Take

The Take Key enables you to take a physical switch from a selected input to a selected output. To execute a take, select the desired input to output crosspoint by clicking on the desired component grid crosspoint. If necessary, zoom into and scroll the Component Grid until the desired input number and the desired output are viewable. Once the desired input number and output number is viewable, click on the component grid crosspoint correlating to the desired input and output numbers. The Selected Input Data Field and the Selected Output Data Field will be updated to the input and output number correlating to the selected crosspoint. Once the desired crosspoint is selected, click on the Take Button to execute the take command. Clicking on the Take Button will cause a physical switch to be taken on the input and output displayed by the Selected Input and Selected Output prompts. A message will appear that describes the switch action taken and whether or not the action taken was successful.

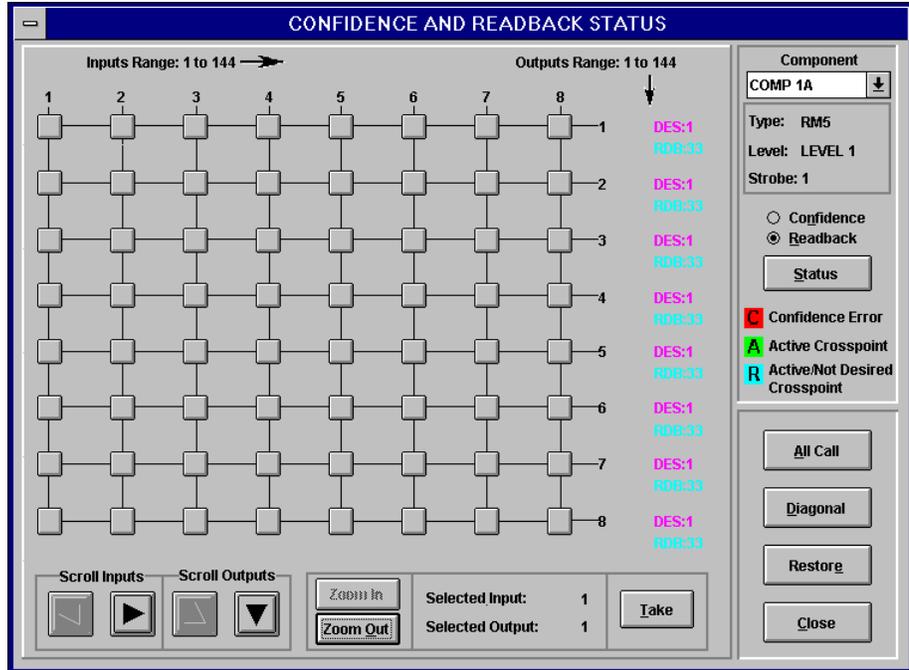
Status

The selected component's configured crosspoint information can be statused either for confidence or readback errors. To status the selected component for confidence errors, select Confidence and then click on the Status Button. The Component Grid will be updated to display a "C" highlighted in red (Confidence Error) on any crosspoints where a confidence error occurred. If the Component Grid is not at its smallest resolution, as is the case shown in Figure 8-2, the Component Grid will display a "C" if a confidence error occurs anywhere in the range of the inputs/outputs shown at the given resolution. To find more details about which specific inputs/outputs have a confidence error, the user must zoom in.



Confidence and Readback Status Window (Confidence Errors)

To status the selected component for readback errors, select Readback and then click on the Status Button. The Component Grid will be updated to display an “R” highlighted in blue (Active/Not Desired Crosspoint) on any crosspoints where a readback error occurred. Active crosspoints will be displayed on the Component Grid with an “A” highlighted in green (Active). When the Component Grid is displayed at a larger resolution, the Component Grid will display an “R” if a readback error occurs anywhere in the range of the inputs/outputs shown at the given resolution. To display more details about which specific inputs/outputs have a readback error, the user must zoom in. At the smallest resolution (i.e. where each individual input and output is displayed) additional information is provided such that for each “R” displayed, a desired input is displayed next to the associated output.



Confidence and Readback Status Window (Readback Errors)

All Call

The all call diagnostic function enables a selected physical input to be switched to a selected range of physical outputs. Selecting the All Call Button will open the All Call Window. The information listed in the All Call Window is the selected component’s name, type, level, and strobe. Also listed is the selected component’s inputs range and outputs range. The data fields available in the All Call Window are Input and Output Range. The default input is the selected component’s first input and the default output range is the selected component’s entire range of outputs. The command functions available are All Call and Close.

All Call Window

To complete an all call, enter the desired input number from the listed inputs range into the Input Data Field. Enter the desired outputs range (listed in the outputs range) into the Output Range Data Field. Select the All Call Button to complete the execution of the all call command.

Once the execution of the all call command is completed, if all switch actions were successful, a message will appear stating that the switch actions were successful. If switching errors occurred during the execution of the all call, the Physical Switch Error Display Window will open. The Physical Switch Error Display Window lists the switch error(s) in numeric order and provides component type, strobe, output, input, and the type of error information. To close the Physical Switch Error Display Window and return to the All Call Window, select OK.

Physical Switch Error Display Window

To close the All Call Window and return to the Confidence and Readback Status Window, once all of the desired switch actions are taken, select Close. Selecting the Close Button will open either the Update Confidence Status Window or the Update Readback Status Window dependent upon the status selection in the Confidence and Readback Status Window prior to opening the All Call Window.



Update Confidence Status Window



Update Readback Status Window

To close the displayed status window and update the Confidence and Readback Status Window, select Yes. Selecting Yes will update the switch information status displayed in the Confidence and Readback Status Window and will return you to the Confidence and Readback Status Window. To close the displayed status window and not update the Confidence and Readback Status Window, select No. Selecting No will return you directly to the Confidence and Readback Status Window without refreshing the status.

Diagonal

The diagonal diagnostic function enables a component's physical inputs to be switched to the component's physical outputs along a diagonal starting at a selected input and output. Selecting the Diagonal Button will open the Diagonal Window. The information listed in the Diagonal Window is the selected component's name, type, level, and strobe. Also listed is the selected component's inputs range and outputs range. The data fields available in the Diagonal Window are Starting Input and Starting Output. The command functions available are Diagonal and Close. The default starting input is the first input of the selected component and the default starting output is the first output of the selected component. If a diagonal is performed as shown in the Diagonal Window the physical switches are made as follows:

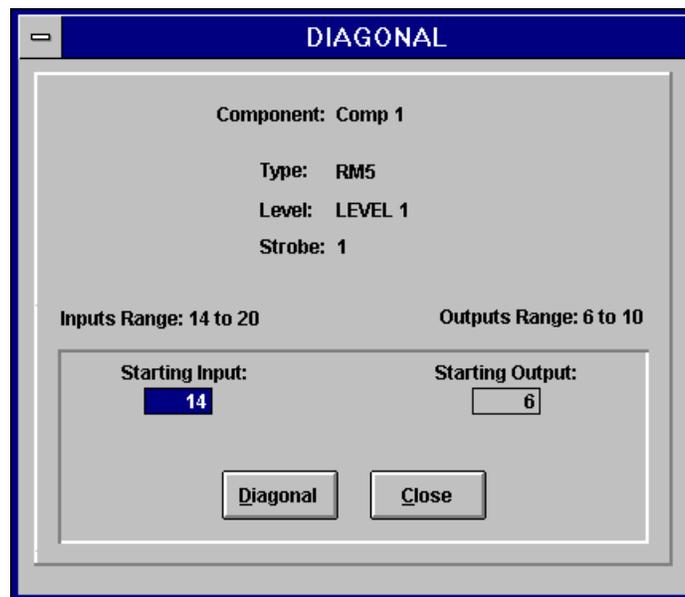
Input 14 - Output 6

Input 15 - Output 7

Input 16 - Output 8

Input 17 - Output 9

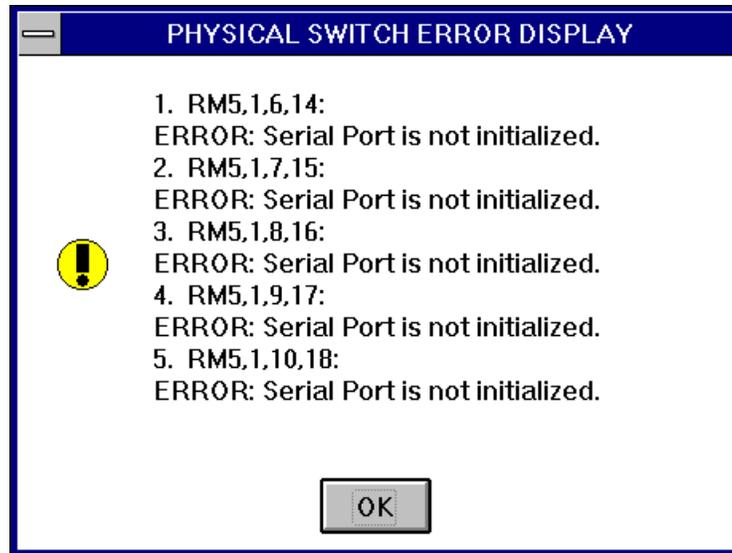
Input 18 - Output 10



Diagonal Window

To complete a diagonal, enter the desired starting input number from the inputs range into the Starting Input Data Field. Enter the desired starting output from within the outputs range into the Starting Output Data Field. Select the Diagonal Button to complete the execution of the diagonal command.

Once the execution of the diagonal command is completed, if all switch actions were successful, a message will appear stating that the switch actions were successful. If switching errors occurred during the execution of the diagonal, the Physical Switch Error Display Window will open. The Physical Switch Error Display Window lists the switch error(s) in numeric order and provides component type, strobe, output, input, and the type of error information. To close the Physical Switch Error Display Window and return to the Diagonal Window, select OK.

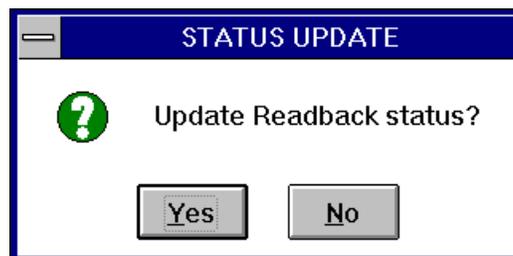


Physical Switch Error Display

To close the Diagonal Window and return to the Confidence and Readback Status Window, once all of the desired switch actions are taken, select Close. Selecting the Close Button will open either the Update Confidence Status Window or the Update Readback Status Window dependent upon the status selection in the Confidence and Readback Status Window prior to opening the Diagonal Window.



Update Confidence Status Window



Update Readback Status Window

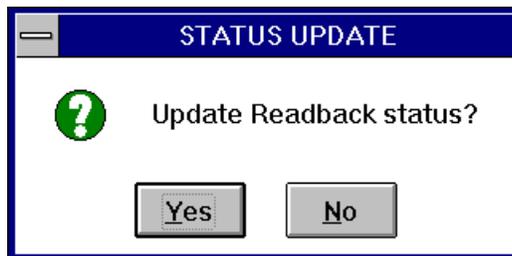
To close the displayed status window and update the Confidence and Readback Status Window, select Yes. Selecting Yes will update the status of switch information contained in the Confidence and Readback Status Window and will return you to the Confidence and Readback Status Window. To close the displayed status window and not update the Confidence and Readback Status Window, select No. Selecting No will return you directly to the Confidence and Readback Status Window.

Restore

The restore diagnostic function restores the router to its original status before the physical switches were taken. To restore the status, select the Restore Button. After the restore operation is complete either the Update Confidence Status Window or the Update Readback Status Window will open dependent upon the current status selection.



Update Confidence Status Window



Update Readback Status Window

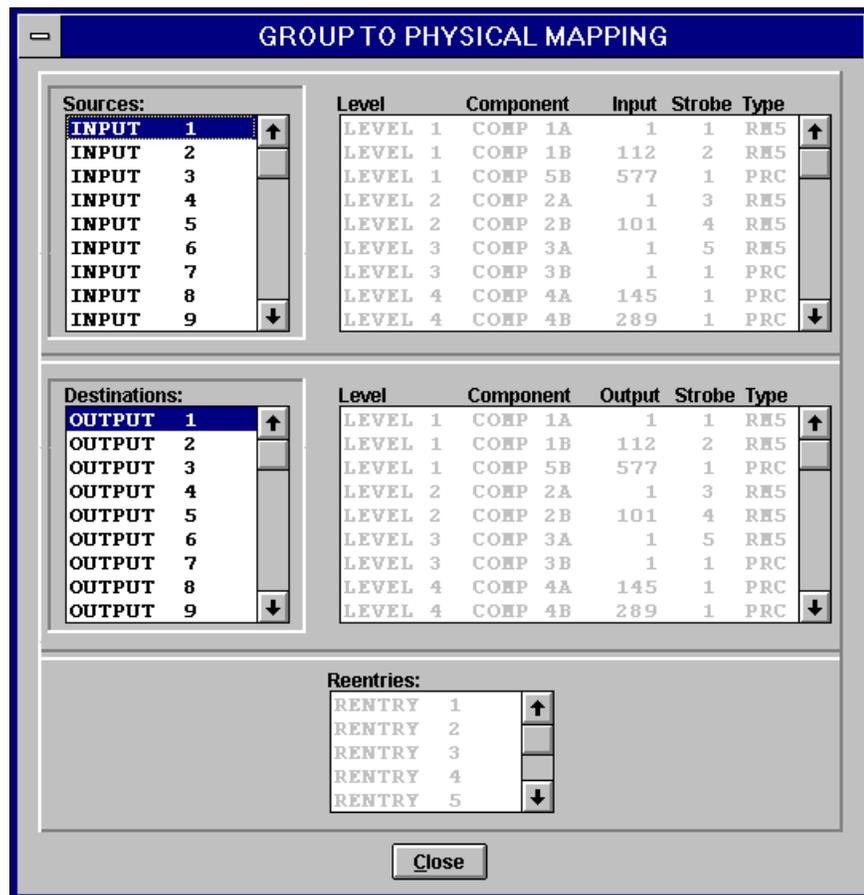
To close the displayed status window and refresh the Confidence and Readback Status Window, select Yes. Selecting Yes will update the Confidence and Readback Status Window to reflect the currently restored status. To close the displayed status window and not update the information displayed in the Confidence and Readback Status Window, select No. Selecting No will return you to the Confidence and Readback Status Window.

Close

Selecting Close from the Confidence and Router Status Window will return you to the Win3300 Window.

Router Physical Mapping

Selecting Router Physical Mapping from the Diagnostics menu opens the Group to Physical Mapping Window. The information available to you in the Group to Physical Mapping Window includes a list of all sources and destinations. As you select a source, the source information for the selected source appears and includes all of the level, component, input, strobe, and component type for the information for the selected source. The selected destination information appears similarly. A list of reentries is also provided in the Group to Physical Mapping Window. Reentries have no actual physical connections; their names are provided for information purposes only. The Group to Physical Mapping Window provides the system user with a list of audio and video physical connections needed to make the system configuration functional.



Group to Physical Mapping Window

CPU Link Test

Selecting CPU Link Test from the Diagnostics menu will cause the CPU Link Test to be executed. If the CPU Link Test passes the Interface CPU Link Message Window will open acknowledging that the CPU link is properly interfacing with the controller.



CPU Link Message Window

If the CPU Link Test fails a No Response CPU Link Message Window will open. If the CPU Link Test fails, refer to the CPU Link Configuration section of this manual and check the physical connection of the CPU link cable.



CPU Link Message Window

Clear Configuration Locks

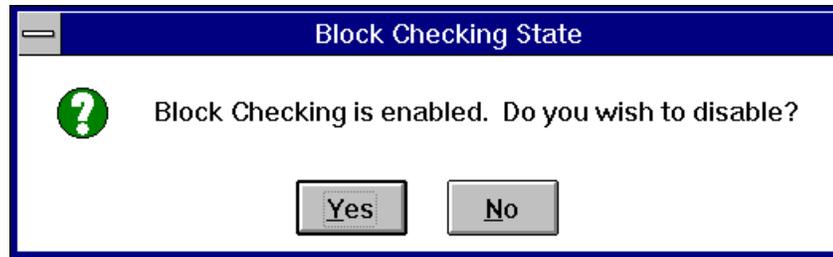
Selecting Clear Configuration Locks from the Diagnostics menu will cause the Clear Configuration Locks Command to be executed. All configuration locks will be cleared. If the controller is in writer's lock i.e. the system was in the middle of a download, the controller will be reset.

Block Check Enable/Disable

Selecting Block Check Enable/Disable from the Diagnostics menu will open one of the Block Checking State Windows dependent upon the current block checking state. If you need to change the block checking state from its current state, select Yes in the corresponding Block Checking State Window. If you need to leave the block checking state in its current state, select No in the corresponding Block Checking State Window.



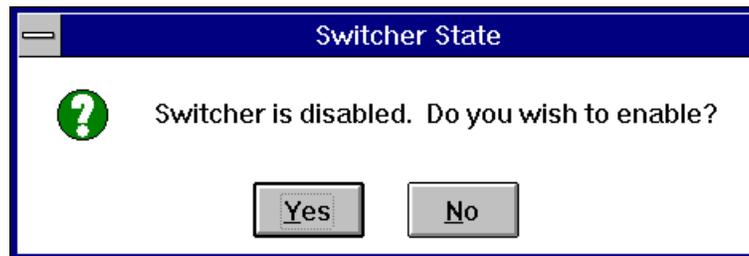
Block Checking State Window - Block Checking Disabled



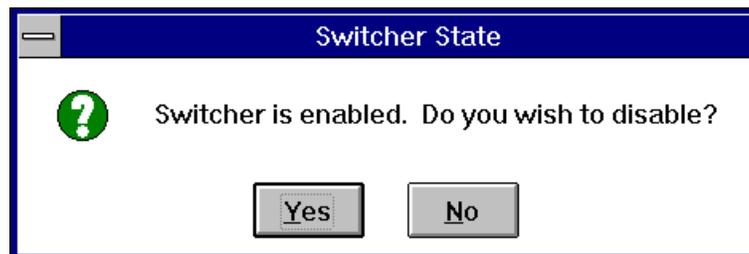
Block Checking State Window (Block Checking Enabled)

Switcher Enable/Disable

Selecting Switcher Enable/Disable from the Diagnostics menu will open one of the Switcher State Windows dependent upon the current switcher state. If you need to change the switcher state from its current state, select Yes in the corresponding Switcher State Window. If you need to leave the switcher state in its current state, select No in the corresponding Switcher State Window.



Switcher State Window (Switcher Disabled)



Switcher State Window (Switcher Enabled)

Reset Controller

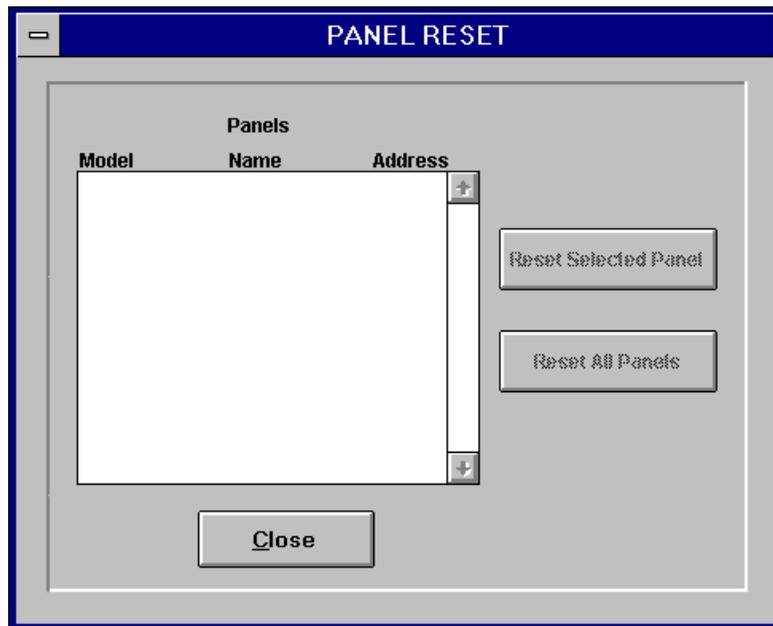
Selecting Reset Controller from the Diagnostic menu enables the controller reset function and opens the Confirm Controller Reset Window. To continue the controller reset, select OK in the Confirm Controller Reset Window. Selecting Cancel will abort the controller reset.



Confirm Controller Reset Window

Reset Panel

Selecting Reset Panel from the Diagnostic menu opens the Panel Reset Window. The command functions in the Panel Reset enable the reset of a single control panel or the reset of all of the control panels associated with the current configuration. The use of the Panel Reset Window's command functions is described in the following manual subsections.



Panel Reset Window

Reset Selected Panel

To reset a control panel, select the desired control panel, then click on the Reset Selected Panel Button. The Panel List displays each control panel's model, name, and address enabling the list to be searched by control panel model, name, or address.

Reset All Panels

To globally reset all of the current system's control panels, click on the Reset All Panels Button. Once Reset All Panels is selected all of the current configuration's control panels will be reset.

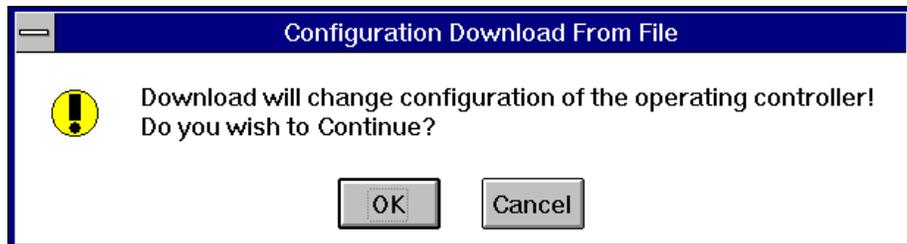
Close

Once you are finished resetting control panels, select Close. Selecting will return you to the Win3300 Window.

Import/Export Functions

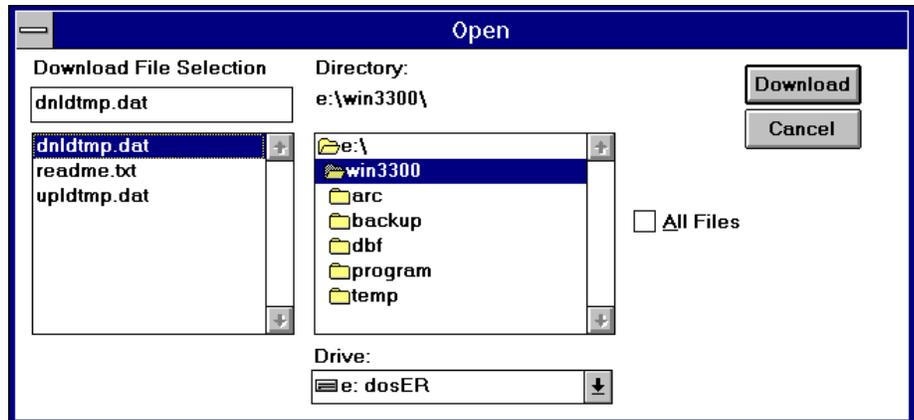
Export ASCII File to Controller

Selecting Export ASCII File to Controller via Import/Export Functions from the Diagnostic menu enables you to download configuration information from the system computer to the controller using an ASCII file format. Selecting the Export ASCII File to Controller from the Diagnostics menu will open Configuration Download From File Window.



Configuration Download From File Window

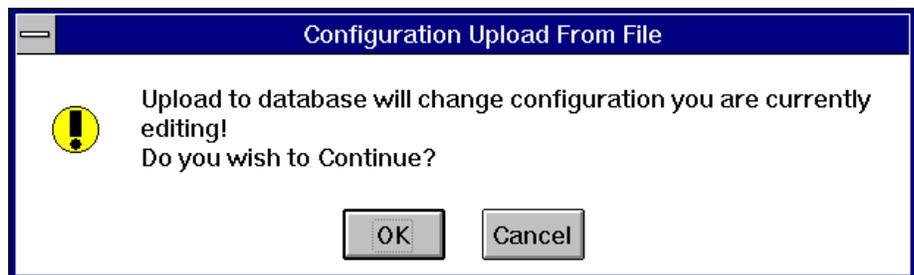
Selecting OK will open the Download Open Window. Selecting Cancel will abort the operation. The Download Open Window allows the system user to enter drive, directory, and download ASCII data file information by using a pointing device or by typing in the file information. Once the correct download file information is entered into the Download Open Window's entry fields, selecting Download will download the selected ASCII data file's information to the controller. Selecting Cancel will abort the operation.



Download Open Window

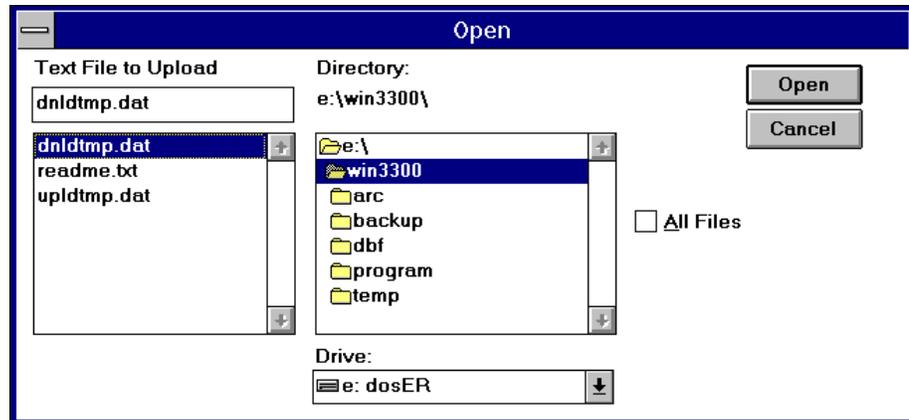
Import ASCII File to PC

Selecting Import ASCII File to PC via Import/Export Functions from the Diagnostic menu enables you to upload configuration information into a PC working configuration from an ASCII file. Selecting the Import ASCII File to PC from the Diagnostics menu will open the Configuration Upload From File Window.



Configuration Upload From File Window

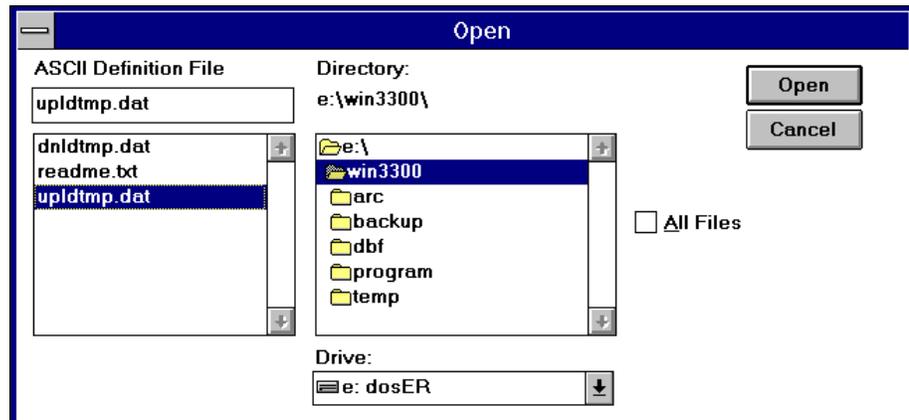
Selecting OK will open the Upload Open Window. Selecting Cancel will abort the operation. The Upload Open Window allows the system user to enter drive, directory, and upload ASCII data file information by using a pointing device or by typing in the file information. Once the correct upload file information is entered into the Upload Open Window's entry fields, selecting Upload will load the selected ASCII data file into Win3300 Control System. The Win3300 title bar is also updated to reflect the currently loaded configuration's name. Selecting Cancel will abort the operation.



Upload Open Window

Database Convert to ASCII File

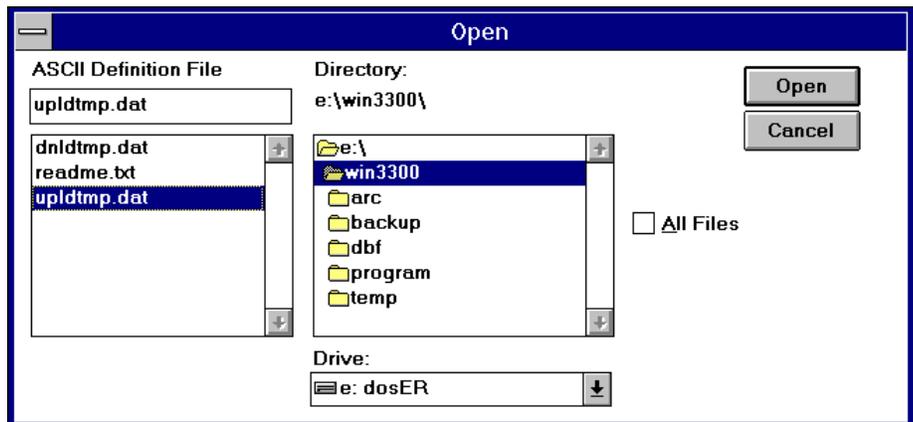
Selecting Database Convert to ASCII File via Import/Export Functions from the Diagnostic menu enables you to download the system computer's configuration information into an ASCII file. Selecting Database Convert to ASCII File will open the Database Convert to ASCII File Window. The command functions in Database Convert to ASCII File Window allow the system user to select the drive and directory to store the ASCII file on and to select an existing ASCII data file or to configure a new ASCII data file by typing in a new file name. To select an existing ASCII data file scroll through the ASCII Definition File List until the desired file name is highlighted or click on the desired file name if it is currently visible. Once the correct ASCII file information is entered into the window's data fields, selecting Open will download the system computer's current configuration information into the ASCII data file. Selecting Cancel will abort the operation.



Database Convert to ASCII File Window

Controller Config to ASCII File

Selecting Controller Config to ASCII File via Import/Export Functions from the Diagnostic menu enables you to download the controller's configuration information into an ASCII file. Selecting Controller Config to ASCII File will open the Convert Controller Configuration to ASCII File Window. The command functions in Convert Controller Configuration to ASCII File Window allow the system user to select the drive and directory to store the ASCII file on and to select an existing ASCII data file or to configure a new ASCII data file by typing in a new file name. To select an existing ASCII data file scroll through the ASCII Definition File List until the desired file name is highlighted or click on the desired file name if it is currently visible. Once the correct ASCII file information is entered into the window's data fields, selecting Open will download the system controller's configuration information into the ASCII data file. Selecting Cancel will abort the operation.



Convert Controller Configuration to ASCII File Window

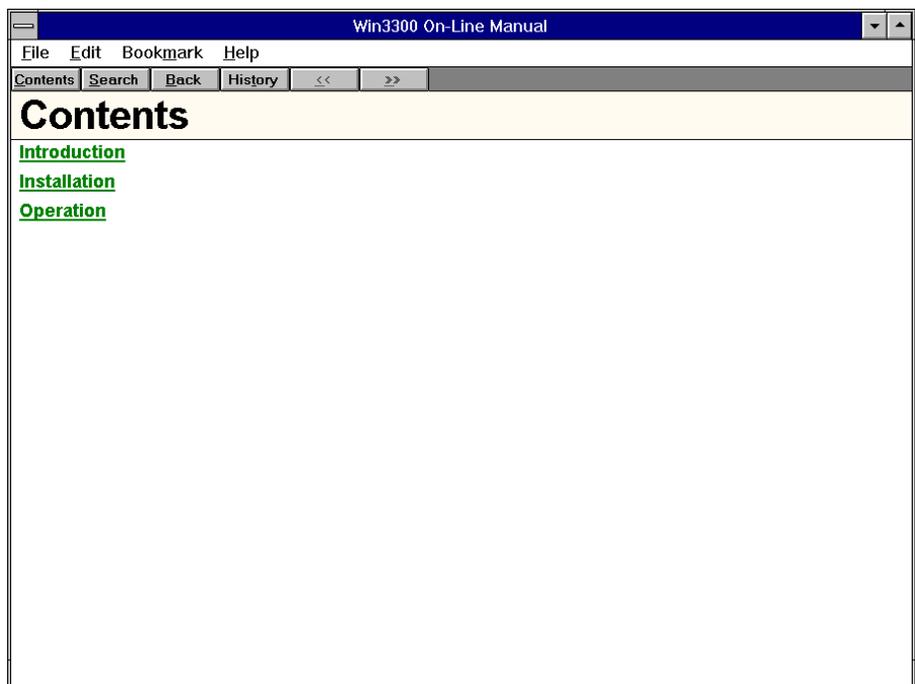
Help Functions

Introduction

Selecting the Help menu choice in the Win3300 Window enables you to gain access to the Search Topic and About Win3300 menu choices. The selection and step-by-step guide through the execution of these menu choices are found in the following manual subsections.

Search Topic

The Search Topic selection in the Help menu opens the Help Window. The Help Window functions the same as any other standard Windows™ help file.



Win3300 Help Window

About Win3300

Selecting the About Win3300 in the Help menu will open the About Win3300 Window. The Win3300 Window contains software version information and copyright information. Please refer to this window if you have any questions about your Win3300 Control System software version number.



Figure 9-2 About Win3300 Window

Glossary of Terms

All Call

A diagnostic procedure that causes a physical input to be taken to a series of physical outputs on a specified matrix component.

All List

This list is used in panel configuration and indicates that the panels linked to this list have access to all the defined items that the list refers to. (e.g. the ALL source include list indicates that the panel can access all sources defined in the system.)

Block

A set of contiguous inputs and outputs in each matrix family that are used for confidence checking. The controller assumes that if any crosspoint within the block is non-functioning, then all crosspoints in the block are non-functioning. The block size for System 5 matrices (RM5000, RM4000, Lynx) is 8 inputs by 2 outputs. The block size for PRC based matrices (Cougar, Jaguar) is 16 inputs by 16 outputs.

Breakaway Switch

A switch specified using pieces of sources specified on level of control by level of control basis. For example, a breakaway switch could specify source VTR 1's video feed while not switching its audio feed.

Category

An alphanumeric string of characters from 1 to 6 characters long and starting with an alpha letter. Categories comprise the first portion of the name of a source, destination, or reentry. Categories provide an easy means of classifying router input/output devices. An example of a category is VTR which could be used to construct the names VTR 1, VTR 2, VTR 3, etc.

Component

A rectangular set of crosspoints where all the inputs and outputs are contiguous and any input can be connected to any output without affecting any other output's input connection. In RGB video, R, G, and B are their own distinct components.

Confidence

A property of a set (called a block) of matrix crosspoints indicating whether the crosspoints are responding to control. The system controller continually checks crosspoint confidence to insure the system is in working order. A confidence error is an indication of when a set of crosspoints do not respond to a confidence request. Confidence has no relation as to whether any crosspoint in the block is active.

Configuration Lock

A lock placed on the controller's configuration database. This lock prevents changes from being made to the controller while it is being interrogated by other users.

CPU Link

A serial port connection to the controller that allows an external control device to control the router and read status from the router.

Default Status

Default status corresponds to the source name that last specified the switch made to a destination on a level of control. If an input is shared between sources and that input is switched to an output, the output shows the status of the source that last specified the switch.

Destination

A named item (constructed using categories and indices) that corresponds to an actual device whose video, audio, and control signals are input from the routing matrix. A destination consists of a name, number, and a maximum of one logical output on any defined level of control. Destinations are not allowed to share logical outputs i.e. logical outputs may be assigned to only one destination. (A destination may be configured such that there may not be an output specified for a level of control.)

Destination Numbers

A mapping of reentries and destinations to numbers so that each item can be referenced using numbers in CPU link operation. As each reentry and destination has a name, it also has a number representation. (Since reentries are both sources and destinations, they have source number as well.)

Diagonal

A diagnostic procedure that causes a series physical inputs to be taken to a series of physical outputs on a specified matrix component. The sequence of switches causes the first specified input to be taken to the first specified output, The next input to be taken to the next output, etc.. (A basic diagonal takes input 1 to output 1, input 2 to output 2, etc.)

Follow Switching

Switching in which a single source is specified to a single destination for all levels of control (e.g. Source VTR 1 to Destination EDIT A on video, audio, and timecode levels of control.) This is the most common manner in which switches are taken on a router.

Hot Take Key

For a panel, a Hot Take Key is a data key configured such that pressing the key causes a switch to the panels current destination using the source assigned to the hot take key. (Some panels do not have this capability.) On the Win3300, the Hot Take Key is a key on the control screen that allows a switch to be taken by double clicking the mouse on a source entry.

Index

Single alphanumeric characters that are used in conjunction with categories to build reentry, source and destination names. Indices follow categories. 0, 1, or 2 indices in any combination can follow a category to build a name. (The index '0' always exists.) An example of index use is the use of the numbers 0-9 as indices which could be used with the category VTR to construct the names such as VTR 1, VTR 2, VTR 3, VTR 12, etc.

Level Of Control

The lowest level of switching given to the user. A level of control corresponds to a set of signals that should always be specified together for breakaway or follow switches. (e.g. RGB video).

Lock

A property placed on a destination that prevents all users from taking a switch on the destination. Locks may be cleared by the requester that initiated the lock, a requester of a higher lock/protect priority, or a master requester.

Lock/Protect Priority

These are used to determine which panels and CPU link users are allowed to clear locks and protects placed on destinations. Panels and CPU links are given a lock/protect priority number of 0 to 255. The lower the number, the higher the priority. Master users are given a lock priority of 0 which allows them to clear any lock or protect on the controller.

Logical Inputs/Outputs

Inputs and outputs defined on a level of control basis. Each level of control specifies a number of logical inputs and outputs that exist for that level. Logical inputs/outputs are the lowest level at which a user can specify a switch. These are the inputs and outputs that are assigned to sources and destinations. A logical input or output may consist of physical inputs/outputs taken from one or more components. (e.g. a NTSC composite input consists of a single physical matrix input while a RGB input consists of physical inputs taken from the R, G, and B components.)

Matrix Breakup

The division of a physical matrix into one or more components. Done in software, matrix breakup allows complex signal types to reside within a single physical matrix. For example, a video matrix is often broken into R, G, and B components.

Panel

A user interface enclosed in a box (usually rack mount) with a combination of alphanumeric displays, push-buttons and LEDs. Panels allow a user to take switches on the routing system, perform actions such as lock and protect, and obtain status of the state of the routing switch system. On the 3300, panels communicate to the controller through an RS-485 twisted pair interface.

Panel Address

Each panel has an address that uniquely identifies the panel to the control system. The address is configured on the controller and set on the panel through a DIP switch setting.

Panel Data Key

A user configurable key that can be set to perform a number of actions on a panel. These keys provide a means of customizing panel functionality. Data keys, depending on the type of panel, can be set to allow hot take switches, change the destination that a panel is controlling, allow for the building of names through category/index operation, or can be assigned to levels of control for breakaway operation. In addition, keys can be configured as soft keys to allow the panel user to reconfigure the key on the fly.

Panel Data Key List

A list of data key definitions that determine how a panel's set of data keys is to be configured. Data key lists may be shared by multiple panels of the same type.

Panel Destination Include List

A list of destinations that can be accessed by a panel using the panel scroll and category/index operations. The list can be used in conjunction with the data key lists to restrict which destinations a panel may control and status. The list may be

referenced by more than one panel. Any change to a Destination Include List affects all the panels associated to it.

Panel Level Include List

A list of levels of control that can be accessed by a panel. The list can be used to restrict which levels of control a panel may control and status. The list may be referenced by more than one panel. Any change to a Level Include List affects all the panels associated to it.

Panel Requester Code

A number in value from 1-65535, the requester code is used as identification to determine who owns system resources such as locks and protects that are placed on destinations. Any controlling device such as a panel or CPU link is given a requester code. The same requester code can be shared among the controlling devices. Devices with shared requester codes mean that they share ownership of the system resources. (e.g. two panels sharing a requester code can both switch a destination that has been protected by one of the panels while all other panels will not be able to take switches on the destination.)

Panel Salvo Include List

A list of salvos that can be accessed by a panel using the panel scroll operations. The list can be used in conjunction with the salvo key lists to restrict which salvos a panel may activate. The list may be referenced by more than one panel. Any change to a Salvo Include List affects all the panels associated to it.

Panel Salvo Key

When a panel is in salvo mode, its data keys take on the salvo key functionality. This allows a salvo to be assigned to a key. When the key is pressed, the salvo is activated immediately.

Panel Salvo Key List

A list of salvo assignments to data keys that determine how a panel's set of data keys is to be configured when in salvo mode of operation. Salvo key lists may be shared by multiple panels of the same type.

Panel Source Include List

A list of sources that can be accessed by a panel using the panel scroll and category/index operations. The list can be used in conjunction with the data key lists to restrict which sources a panel may access for taking switches. The list may be referenced by more than one panel. Any change to a Source Include List affects all the panels associated to it.

Physical Inputs/Outputs

The actual inputs and outputs coming into and out of a matrix frame. Physical inputs/outputs are associated with the component definitions and can be used to

identify individual crosspoints. The 3300 diagnostics are all performed by specifying physical inputs/outputs.

PRC Component

This is a type of matrix component that is controlled using the PESA Routing Control (PRC) protocol. The component resides within the address space defined within the PRC protocol. Matrices using the PRC protocol include the Cougar and Jaguar families of matrices.

Protect

A property placed on a destination that prevents all users from taking a switch on the destination except for the requester that initiated the protect. Protects may be cleared by the requester that initiated the protect, a requester of a higher lock/protect priority, or a master requester.

Readback

The status read back from an actual matrix by the control system. A readback error occurs when the value read back from the matrix for a specified physical output is not the value expected by the controller.

Reentry

A virtual router path that allows a single switch specification to take a source to a number of destinations at the same time. A reentry is named as well as assigned source and destination numbers. A reentry is treated as a source and/or destination by user panels and the CPU link. A reentry is virtual in that it is performed in software and does not require any more additional physical crosspoints than any other path.

RM5 Component

This is a type of matrix component that is controlled using the System 5 parallel bus control protocol. The component resides within the address space defined within the System 5 protocol. Matrices using the System 5 protocol include the RM4000, RM5000, and Lynx families of matrices.

Salvo

A collection of predefined actions taken on a router at a single time. A salvo consists of a series of predefined switches denoted using salvo entries.

Salvo Entry

A switch specification that is attached to a particular salvo. A control system has a fixed number of entries which are allocated to salvos as seen fit by the user.

Soft Key

A panel data key that is configured so that a panel user can change the assignments made to the key. Soft keys can be set to allow the assignment of source or destination information by the panel user.

Source

A named item (constructed using categories and indices) that corresponds to an actual device whose video, audio, and control signals are input into the routing matrix. A source consists of a name, number, and a maximum of one input on any defined level of control. (A source may be configured such that there may not be an input specified for a level of control.)

Source Numbers

A mapping of reentries and sources to numbers so that each item can be referenced using numbers in CPU link operation. As each reentry and source has a name, it also has a number representation. (Since reentries are both sources and destinations, they have destination number as well.)

Source/Destination Block

A configuration item that indicates to the controller that it is not to switch the specified source to the specified destination for any level of control.

Strobe

A third dimension used in addressing crosspoints on PESA matrices. The strobe may be used to differentiate between different types of matrices (e.g. video is on strobe 1, audio is on strobe 2, timecode is on strobe 3.) Many other manufacturers refer to strobes as levels.

User Account

A named item consisting of a set of privileges and an optional password. The user account provides a means of restricting router users to actions that they are capable of performing.

User Password

An eight character string entered by a user to allow the user to be able to use their router privileges.

Virtual Matrix Mapping

A mapping of logical inputs and outputs into sources and destinations. Virtual matrix mapping provides a means of allocating the actual router inputs and outputs to maximize their usage.

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