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About this Guide

Scope

The NStar Quick start Guide helps you in installing, configuring, and using the NStar access control software.

Intended Audience

This guide is intended for the installers, administrators, and operators of NStar.

Prerequisite Skills

You need to have a knowledge of access control systems and their terminologies.

Document Structure

The guide is divided into three chapters for better organization. The following table describes the details of what is covered in each chapter.

Chapter	Explains...
Introduction	The features and benefits of the NStar application.
Installation	How to install and register NStar.
Setting Up NStar	How to setup and configure NStar.
Operating NStar	How to use NStar for monitoring and generating reports.

INTRODUCTION

A Quick Glance

This chapter introduces the NStar application and its benefits. It also provides information on how you can set up NStar for your access control needs.

The information covered in this chapter

Topic	Refer to...
An introduction to NStar	"What is NStar" on page 2
Benefits of NStar	"What NStar can do for you" on page 2
Upgrading NStar	"Upgrading NStar" on page 6
Getting Started	"How to get started" on page 2

What is NStar

NStar is a state-of-the-art access control software, compatible with Windows Vista Business and Windows 2003 server-based operating systems. It uses the access control mechanism to authenticate employee access at security areas.

What NStar can do for you

It helps you maintain employee access details, track and control access at entry and exit areas, and generate reports for system and user events.

Some of the tasks you can perform using NStar are as follows:

1. Adding time zones, schedules, and holidays.
2. Adding servers, panels, and devices.
3. Adding cards, card holders, and operators.
4. Defining access areas, control areas, access levels, and operator levels.
5. Monitoring devices using the control map and tracking the events and alarms.
6. Configuring Galaxy and Vista panels and monitor intrusion points. (Optional)
7. Adding and viewing live video to monitor access points. (Optional)
8. Generating and printing reports for system and user events.

How to get started

1. Install NStar on your computer. For details, refer to "Installation" on page 3
2. Start the services using the NStar Service Manager.
3. To procure the license and register NStar, contact Honeywell Customer Care.

Note:

NStar runs in the demo mode till you register the software. To register the software, refer to "Licensing and Registration" on page 6.

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4. To proceed with the basic configuration, refer to "Setting Up NStar" on page 9.
5. To monitor and track access control activities, refer to "Operating NStar" on page 55.

INSTALLATION

Overview

The chapter describes the prerequisites and the procedure to install and register NStar.

The NStar installation setup guides you with installing the required programs and components. The NStar application, with its setup, release notes, and other technical documents is available on a DVD.

The information covered in this chapter

Topic	Refer to...
NStar Modules	"NStar Architecture" on page 4
Prerequisites for NStar Installation	"Before you begin..." on page 4
NStar Upgradation	"Upgrading NStar" on page 6
License and Registration Information	"Licensing and Registration" on page 6

Note:

This guide can be used as a quick reference for the features available in NStar. For a complete understanding of the windows/screens, refer to the NStar online help. Press F1 to open the help topic related to the window.

NStar Architecture

NStar is a client-server application, consisting of two modules - the Database Server and the User Interface.

- The NStar User Interface modules installed on different computers are networked and connected to the Database Server through RPC (Remote Procedure Call) or/and LPC (Local Procedure Call).
- NStar provides the System Manager utility to configure connection information. The System Manager directs the User Interface to the Database Server.

Before you begin...

Hardware Requirements

This section provides you the list of hardware requirements for installing NStar.

To install NStar on a stand-alone computer that supports upto 128 readers and 2 communication ports, the following requirements must be fulfilled.

System Hardware Requirements

Hardware Component	Requirement
Processor	Intel Pentium IV
CPU	2.8GHz CPU
RAM	512 megabytes (MB) 1 gigabytes (GB) for Windows Vista
Hard Disk	40-GB - ATA 100
Serial communication ports	2
Secondary Storage	DVD burner
Parallel printer port	1 (2 if a badge printer is also required)
Monitor Display	Size: 15 Inches SVGA Resolution: 1024 x 768 Colors: 256 color
Pointing Device	Mouse (PS/2 mouse preferred)
PCI slots	Minimum 2, one additional slot for the video capture card.
USB ports	Minimum 2
Power Supply	UPS

Video Capture Card

The badging utility in NStar saves digital images of the photographs captured by the camera. The video capture card acts as an interface between the camera and the badging utility in the NStar application. The card converts analog signals (from the camera) to digital signals before feeding them to the NStar application.

Honeywell recommends the PBVC15 video capture card.

Modems and Communication Ports

Modems and communication ports are required when the mode of communication between the loop and the server is dial-up. Modems and communication ports are supported by the desktop based Windows XP, and Windows Vista operating systems and the server based Windows 2003 operating systems.

Badge Printers

Any printer supported by the Windows operating system can be used. However, for two-sided PVC encoding or magnetic stripe encoding, the Rio2e or Tango2e printer is required.

Report Printers

Any printer supported by the Windows operating system can be used to print reports. However, a dot-matrix printer such as the PB-PRINTER is a minimum requirement.

Software Requirements

System Software Requirements

Software Component	Requirement
Operating System	Microsoft Windows Vista Business SP1 Microsoft Windows XP Professional SP3 Microsoft Windows 2003 Server SP2
Database Engine	MSDE 2000 with SP3 or higher Microsoft SQL Server 2005 Express Edition SP2 SQL 2000 or 2005 with SP4
Browser	Internet Explorer 5.5 or later

Installing NStar

Insert the NStar DVD into the DVD-ROM drive and follow the menus as prompted during the installation.

Upgrading NStar

Previous versions of NStar (such as 45.2 and 47) can be upgraded to the new version. Before upgrading NStar, make a backup copy of your database files and card holder photos and signatures. Stop all the services before you start the upgrade process.

Note:

Contact Honeywell Customer Care for information regarding the CD key and registration.

Licensing and Registration

The NStar software supports two CD keys - Standard and Optional. The features supported by them are as indicated in the following table.

CD Key	Features Included
1User (Standard)	1. One Communication Server and one client. 2. **Event View** to view the System Events. 3. Alarm Printer configuration.
5 User (Optional/Special)	1. One Communication Server and five clients. 2. **Event View** to view the System Events. 3. Alarm Printer configuration. 4. Badge configuration 5. Badge Printer configuration. 6. Autocard Lookup configuration. 7. Digital Video configuration. 8. Alarm Handling. 9. **Alarm View** to view the alarms. 10. Intrusion Panel configuration.

The setup installs the demo version of NStar which has the following limitations.

- Only a 10 card database can be maintained.
- You cannot add cards in bulk.
- You cannot print badges.

Registering the software enables you to overcome the preceding limitations.

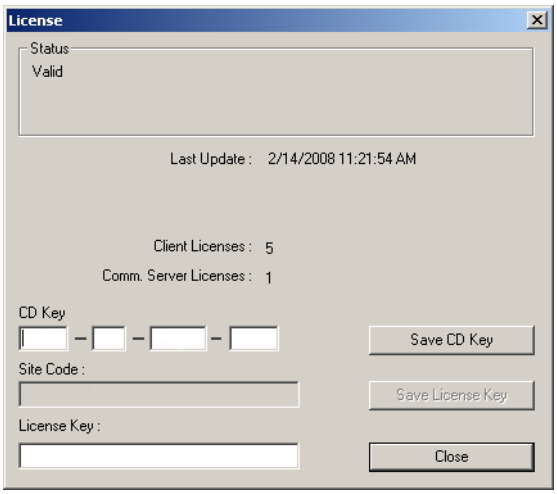
Registering NStar

Before you register the NStar software, make a note of the CD key and the site code.

Log on to the NStar User Interface to view the site code. For information on how to log on to NStar, refer to "How to Log on to NStar" on page 10.

To view the Site Code

1. Choose **Help > License**. The **License** window appears.



2. Make a note of the **Site Code**. The site code is a unique number that identifies your computer.
3. Go to the site www.honeywellaccess.com to register NStar online.
4. Choose **Resources > Register Products Online**. The **Product Registration** page appears.
5. Click **Read User Non-Disclosure and License Agreement** to read the agreement.
6. Click **I have Read and Understand the License Agreement** to accept the license agreement. A message appears asking for your confirmation.
7. Click **OK**. A list of Honeywell products is displayed.
8. Click on NStar from the list of Honeywell products.
9. Enter the required details and click **Next**. The **Authorized Dealer Information** page appears.
10. Enter the dealer information and click **Next**. The **Enter the CD Key** page appears.
11. Click NStar from the list of Honeywell products.

12. Type the CD key in the provided box.
13. Click **Submit**.

Notes:

- If the CD key is invalid, the system prompts you to provide the Site Code number.
- After you submit the information, the site key is sent to you by e-mail.

14. Close the browser and return to NStar.
15. In the **License** dialog box, type the site key produced by the online registration.
16. Click **Save License Key**. This activates the license for NStar.

Notes:

- The Site Key is sent to you through e-mail.
- Call the Honeywell Access Systems Customer Care to register NStar over the telephone.

SETTING UP NSTAR

Before you begin working on the NStar access control system, configure the settings explained in this section.

The information covered in this chapter

Note:

This guide can be used as a quick reference for the features available in NStar. For a complete understanding of the windows/screens, refer to the NStar online help. Press F1 to open the help topic related to the window.

How to Log on to NStar

1. Double-click the NStar User Interface icon on your desktop. The **Connect To Server** dialog box appears.

2. Type the user **Name** and **Password**.

Note:

When NStar is installed, the Administrator operator, with user name 'admin' and blank password is created by default.

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3. Click **Connect**.

The **NStar - [Operator]** window appears after you log on to the NStar application.

How to Use the NStar Quick Start Wizard

Overview

The Quick Start Wizard (QSW) is an optional interface to configure time zones, cards, loops, and panels, using the default settings. These features can also be configured using the menu options in the NStar application.

- If you are new to NStar, you can use the QSW to quickly configure only the basic features required to use NStar for monitoring.
- If you are an existing NStar user, you can use the QSW to quickly add additional cards, loops, and panels.

The QSW enables you to:

- Add Time Zones
- Add Cards
- Add Loops
- Add Panels

Notes:

- After configuring the features using the QSW, you can edit the configuration settings using the corresponding menu options.
- You cannot add cards using the QSW in the NStar demo version.

Procedure

Using the Quick Start Wizard involves the following steps.

To…	Refer to…
Launch the QSW	When you log on to NStar with administrator permissions, the Quick Start Wizard automatically launches.
Add Time Zones	From the list of predefined time zones, select the check boxes for the time zones.
Add Cards	Type the First card number in the range and the Last card number and select the expiration date for the cards.
Adding Loops, Panels, and Readers	Adding a Loop involves specifying the loop name, adding a panel to the loop, and adding readers to the panel.

For more information on adding time zones, cards, and panels, refer to the NStar online help.

Launching the Quick Start Wizard

When you log on to NStar with administrator permissions, the Quick Start Wizard automatically launches. If you do not want the QSW to start automatically, clear the **Show the Quick-Start Wizard after each Log-in** check box in the **Welcome to the NStar Quick Start Wizard** dialog box.

To manually launch the QSW, choose **Configuration > Quick-Start Wizard** from the main window of NStar. The **Welcome to the NStar Quick Start Wizard** dialog box appears.

Note:

- The QSW requires access to several NStar database files. So you must be an Administrator in the NStar application to view and use the QSW.
- The QSW can run only on the server machine where the database is available.
- After using the Quick Start Wizard for the first time, restart the NStar services using the **NStar Service Manager**.

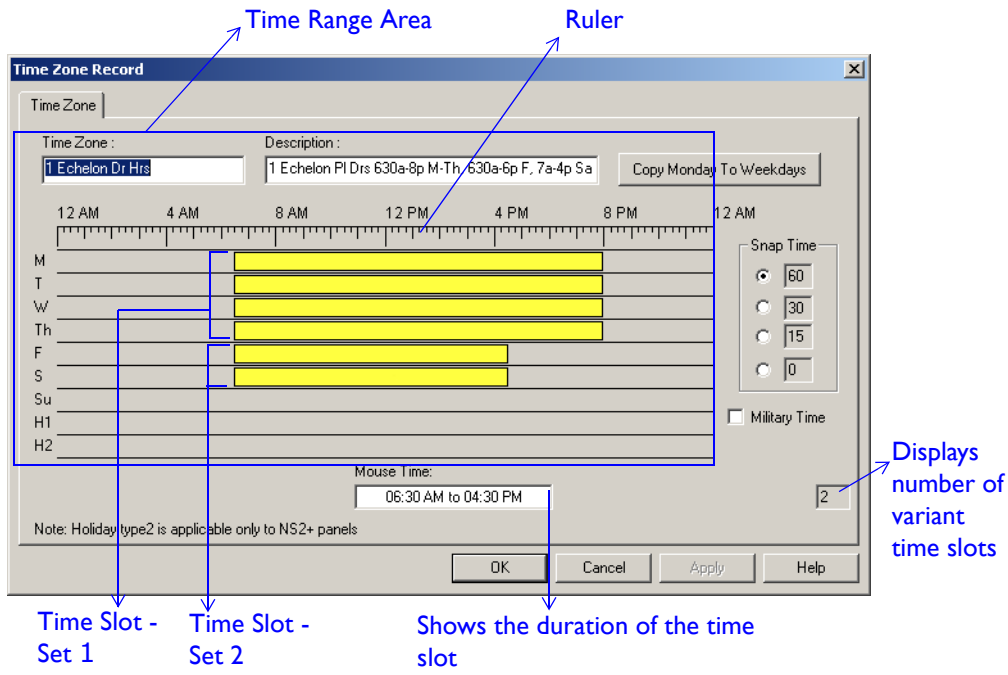
How to Create a Time Zone

Overview

A time zone is a group of time slots that defines the access time for access levels, readers, cards, and so on. For example, if a time zone is associated to a card, then the card holder holding the card is provided access only during the defined time slots.

Procedure

1. Choose **Configuration > Time Management > Time Zone**.
2. To define a time slot, click any of the weekdays and drag the mouse pointer to reach the end time of the time slot.
3. Alternatively, you can define a time slot for Monday and copy it to the other weekdays. Click **Copy Monday to Weekdays** to copy the time slot.
4. To define time slots for holidays, click and drag on H1 and H2.



How to Configure Devices

Overview

Devices in NStar include communication hardware, panels, cameras, and readers. These devices are represented as abstract devices (ADVs) which must be configured before use.

The configured devices such as servers, loops, and panels are displayed in a tree structure in the Device Map.

The QSW automatically adds the devices. This section covers information on how to manually add and configure them. The following table lists the steps involved.

To…	Refer to…
Add a Communication Server	“Adding a Communication Server” on page 14
Add a Schedule Server	“Adding a Schedule Server” on page 16
Add a 485/PCI Loop	“Adding a 485/PCI Panel Loop” on page 17
Add an RS-232 Loop	“Adding an RS-232 Panel Loop” on page 20

To…	Refer to…
Add an NS2 Panel	"Adding Panels to the Loop" on page 23
Configure Basic Panel Settings	"Procedure to configure the Basic Settings" on page 23
Configure the Panel Card Formats	"Procedure to configure the Card Formats" on page 25
Assign Time Zones to the Panel	"Procedure to assign Time Zones" on page 25
Configure the Panel Options	"Procedure to configure the Panel Options" on page 26
Configure the Panel Input Points	"Procedure to configure the panel Input Points" on page 27
Configure the Panel Output Points	"Procedure to configure the panel Output Points" on page 28
Configure a Reader for the Panel	"Procedure to configure a Reader for the panel" on page 29

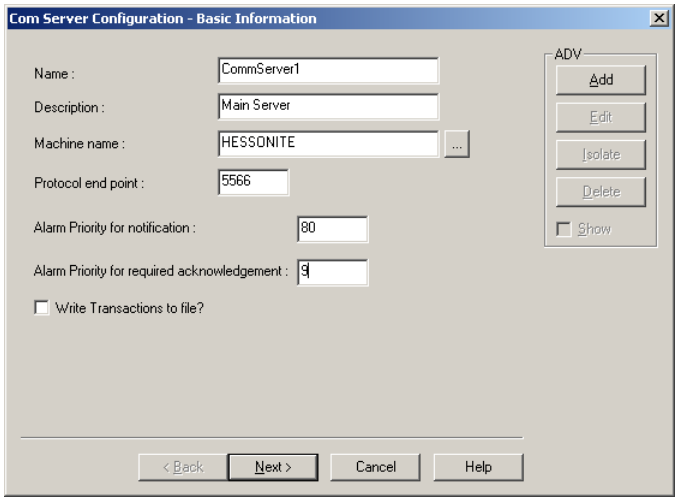
Adding a Communication Server

Overview

The Communication Server establishes the connection between NStar and the panels that are physically located in the access control system. The communication server must be available on the NStar Device tree for the application to communicate with the system devices.

Procedure

1. Choose **Configuration > Device > Device Map**. The **Device** window appears.
2. Right-click the **Devices** folder and choose **Add > Communication Server**. The **Com Server Configuration - Basic Information** dialog box appears.



3. Type a **Name** and **Description** for the server.
4. Click **Add** under **ADV** to create an ADV for the communication server. The **Abstract Device Record - Server** dialog box appears.
5. After adding the ADV, click **OK** to return to the **Com Server Configuration - Basic Information** dialog box.
6. Type the **Machine name** and the **Protocol end point number.**

   The Protocol End point Number is the physical port on the computer, which is not used by any other application.
7. Type a value for the **Alarm Priority for notification**. Events with a priority lower than this value are displayed as events in the Event view.
8. Set the **Alarm Priority for required acknowledgement** value. An action with a priority higher than this value and with a priority lower than the "Alarm Priority for notification" value is displayed as an alarm in the Alarm View.

Note:

- The Alarm View is an optional feature. You must procure an additional license to use it.
- When the feature is enabled the **Alarm Priority for required acknowledgement** value must be set to 50.

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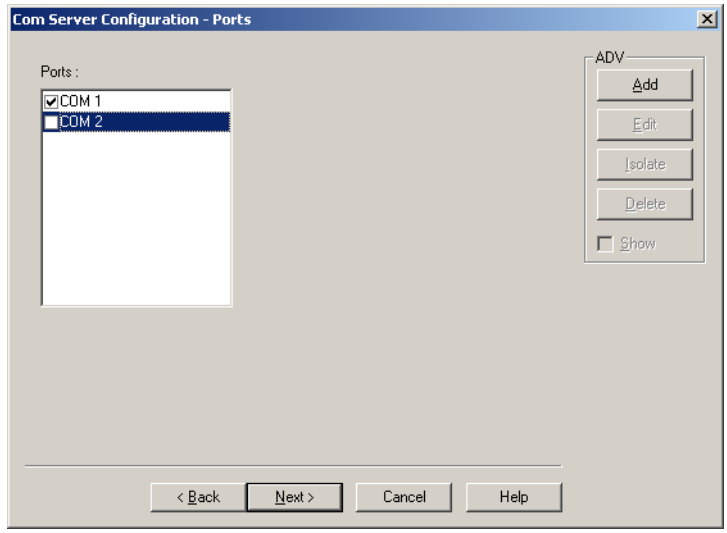
9. Select the **Write Transactions to file?** check box to record the server transactions and message exchanges between the communication server and the panels in a text file. This file is used for debugging purposes. Generally this check box is cleared.

10. Click **Next**. The **Com Server Configuration - Ports** dialog box appears.



11. From the **Ports** list, select the check box(s) for the COM ports that must be used by the communication server.
12. Click **Next**, and then click **Finish** to add the communication server to the Device tree.

Adding a Schedule Server

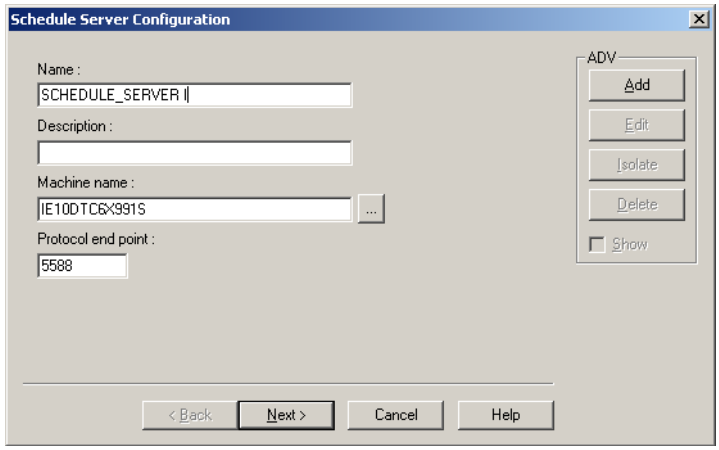
Overview

The Schedule Server communicates with the Database Server to configure the schedules and with the Communication Server to run the schedules.

You can configure the details of the Schedule Server in NStar, to run the scheduled functions.

Procedure

1. Choose **Configuration > Device > Device Map**. The **Device** window appears.
2. Right-click the **Devices** folder and choose **Add > Schedule Server**. The **Schedule Server Configuration** dialog box appears.



3. Type a **Name** and **Description** for the server.
4. Click **Add** under **ADV** to create an ADV for the schedule server. The **Abstract Device Record - Server** dialog box appears.
5. After adding the ADV, click **OK** to return to the **Schedule Server Configuration** dialog box.
6. Type the **Machine name** and enter a unique **Protocol end point number**.
7. Click **Next**, and then click **Finish** to add the schedule server to the device tree.

Adding a 485/PCI Panel Loop

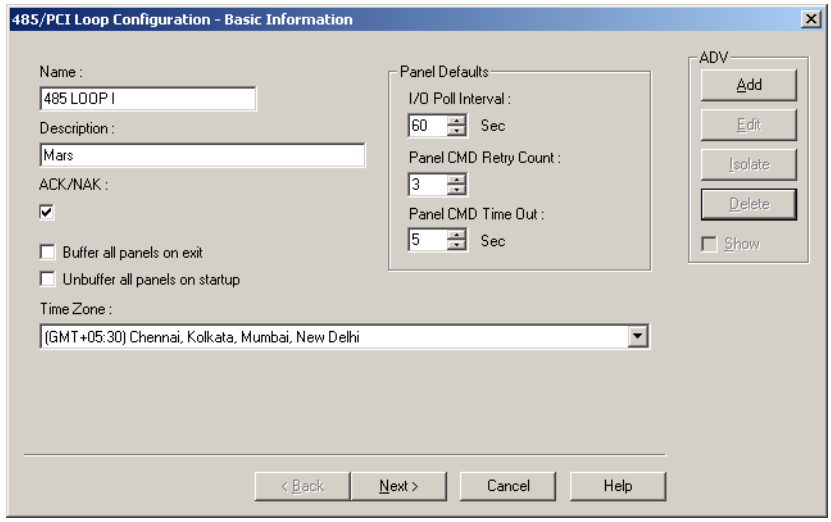
Overview

A communication loop is an interface between the panels and the communication server. The loop must be added to the communication server in the Device Map.

Panels using the RS-485 communication protocol can be connected to NStar by the N-485-PCI-2 communication adaptor (485/PCI panel loop). The 485/PCI loop uses the RS-485 communication protocol which offers good data supervision and system performance.

Procedure to configure the Basic Settings

1. Choose **Configuration > Device > Device Map**. The **Device** window appears.
2. Expand the **Devices** folder and right-click the communication server.
3. Select **Add** and click **Panel Loop (485/PCI)**. The **485/PCI Loop Configuration - Basic Information** dialog box appears.



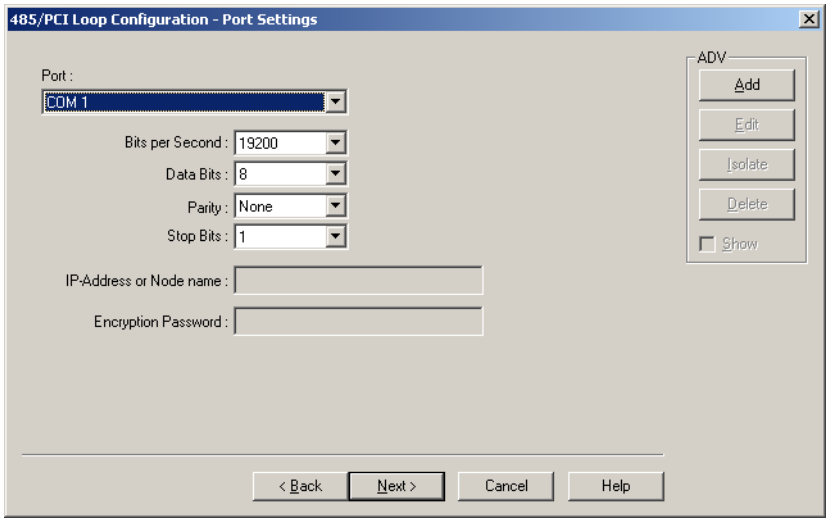
4. Type a **Name** and **Description** for the 485/PCI panel loop.
5. Click **Add** under **ADV** to create an ADV for the 485/PCI panel loop. The **Abstract Device Record - Loop** dialog box appears.
6. After adding the ADV, click **OK** to return to the **485/PCI Loop Configuration - Basic Information** dialog box.
7. Select the **ACK/NAK** check box, if you are using the ACK/NAK protocol. The ACK/NAK protocol requires acknowledgement, which can be positive (ACK) or negative (NAK). ACK indicates a successful message receipt, while NAK indicates an invalid message.
8. Select the **Buffer all panels on exit** check box to buffer the events in the respective panels when the communication server stops.
9. Select the **Unbuffer all panels on startup** check box to unbuffer all the panel events when the communication server restarts.
10. Select the standard **Time Zone** based on the loop location.

11. Set the **Panel Defaults** for the panel loop. The following table lists the default panel options.

Panel Default	Description
I/O Poll Interval	Select the interval at which the signal must be sent to the panel to confirm the panel is working properly, and to check the panel's input and output states. By default, the frequency interval is 60 seconds. **Note**: A purple question mark **?** in the Control Map indicates that the device is in an 'Unknown State' or that it cannot be communicated with.
Panel CMD Retry Count	Specify the number of times a command must be resent to the panel, if the event of the panel not responding to the command. By default, the command is resent 3 times.
Panel CMD Time Out	Specify the waiting time for receiving a response from the panel and for time out of the command. By default, the loop waits for 5 seconds.

12. Click **Next** to configure the port settings for the loop.

Procedure to configure the Port Settings



1. From the **Port** drop-down list, select a port on the communication server to which the loop must be connected. The ports that are assigned to the communication server and not used by any loop are listed.

   The ports and the associated parameters are listed in the table.

Port	Parameter	Description
COM	Bits per Second	Select the transmission baud rate for the loop.
	Data Bits	Select the number of bytes that can be transferred.
	Parity	Select the parity for error detection.
	Stop Bits	Select the stop bits value. 1 is the default value.
TCP/IP Connection	IP-Address or Node name	Type the IP-Address of the Ethernet converter. The corresponding port number is displayed in **Port No**.
TCP/IP Encrypted Connection	TCP/IP-Address or Node name	Type the IP-Address of the Ethernet converter. The corresponding port number is displayed in **Port No**.
	Encryption Password	Type the password to encrypt the data.

2. Click **Next**, and then click **Finish** to add the 485/PCI Loop to the device tree.

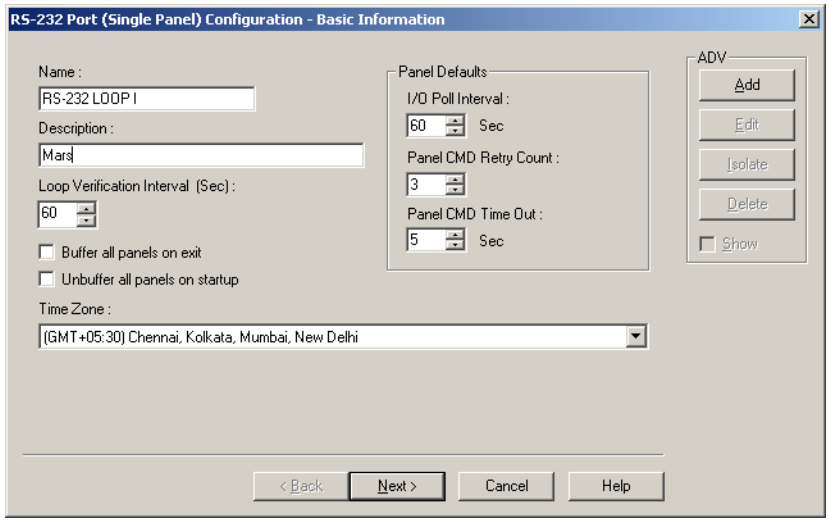
Adding an RS-232 Panel Loop

Overview

Panels using the RS-232 communication protocol can be connected to NStar by the RS-232 panel loop. The RS-232 protocol offers serial binary data interchange between the panel and the communication server.

Procedure to configure the Basic Settings

1. Choose **Configuration > Device > Device Map**. The **Device** window appears.
2. Expand the **Devices** folder and right-click the communication server.
3. Select **Add** and then click **RS-232 Port (Single Panel)**. The **RS-232 Port (Single Panel)Configuration - Basic Information** dialog box appears.



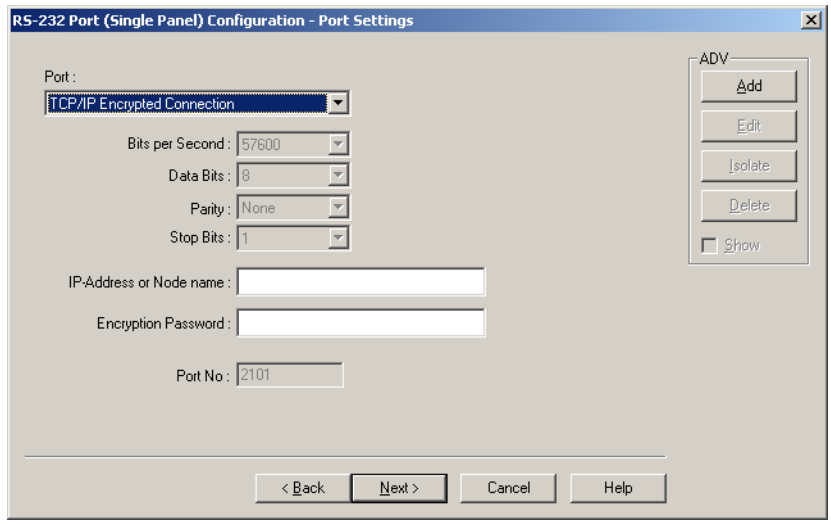
4. Type a **Name** and **Description** for the RS-232 panel loop.
5. Click **Add** under **ADV** to create an ADV for the RS-232 loop. The **Abstract Device Record - Loop** dialog box appears.
6. After adding the ADV, click **OK** to return to the **RS-232 Port (Single Panel)Configuration - Basic Information** dialog box.
7. Increase or decrease the **Loop Verification Interval (Sec)**. This is the interval at which NStar sends signals to the loop and verifies the response. The default value is 60.
8. Select **Buffer all panels on exit** to buffer the events in the connected panels when the communication server stops.
9. Select **Unbuffer all panels on startup** to unbuffer all the panel events when the communication server restarts.
10. Select the standard **Time Zone** based on the loop location.

11. Set the **Panel Defaults** for the panel loop. The following table lists the default panel options.

Panel Default	Description
I/O Poll Interval	Select the interval at which the signal must be sent to the panel to confirm the panel is working properly, and to check the panel's input and output states. By default, the frequency interval is 60 seconds. **Note**: A purple question mark **?** in the Control Map indicates that the device is in an 'Unknown State' or that it cannot be communicated with.
Panel CMD Retry Count	Specify the number of times a command must be resent to the panel, if the event of the panel not responding to the command. By default, the command is resent 3 times.
Panel CMD Time Out	Specify the waiting time for receiving a response from the panel and for time out of the command. By default, the loop waits for 5 seconds.

12. Click **Next** to configure the port settings for the loop.

Procedure to configure the Port Settings



1. From the **Port** drop-down list, select a port on the communication server to which the loop is to be connected. The ports that are assigned to the communication server and not used by any loop are listed.

   The ports and the associated parameters are listed in the table.

Port	Parameter	Description
COM	Bits per Second	Select the transmission baud rate for the loop.
	Data Bits	Select the number of bytes that can be transferred.
	Parity	Select the parity for error detection.
	Stop Bits	Select the stop bits value. 1 is the default value.
TCP/IP Connection	IP-Address or Node name	Type the IP-Address of the Ethernet converter. The corresponding port number is displayed in **Port No**.
TCP/IP Encrypted Connection	TCP/IP-Address or Node name	Type the IP-Address of the Ethernet converter. The corresponding port number is displayed in **Port No**.
	Encryption Password	Type the password to encrypt the data.

2. Click **Next**, and then click **Finish** to add the RS-232 Loop to the device tree.

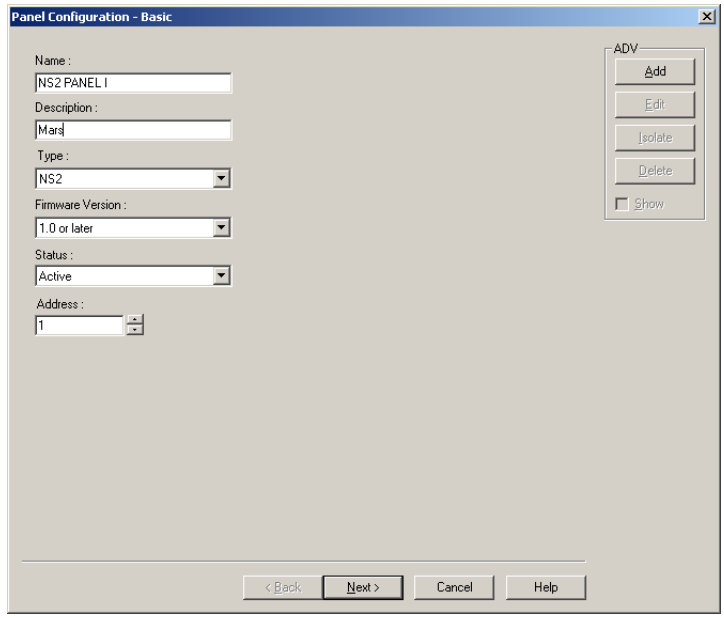
Adding Panels to the Loop

Overview

Local or remote panels can be added to the communication server through panel loops. Panels at remote sites can be added to the server through modem pools.

Procedure to configure the Basic Settings

1. Choose **Configuration > Device > Device Map**.
2. Right-click the panel loop and click **Add New NS2 Panel**. The **Panel Configuration - Basic** dialog box appears.



3. Type the **Name** and **Description** for the panel.
4. Select the panel type from the **Type** drop-down list.

Note:

NS2 is the only panel type supported.

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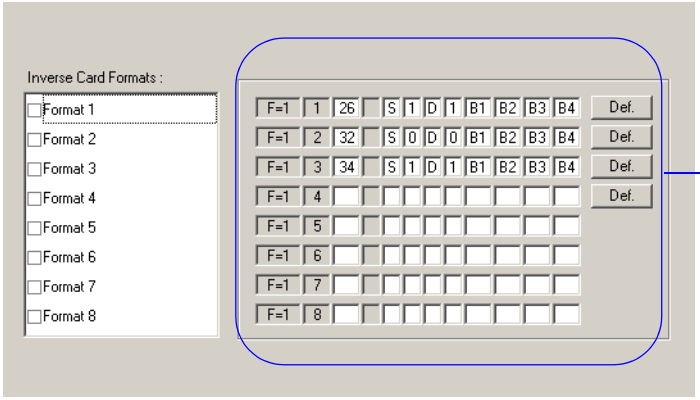
5. Select the **Firmware Version** number for the panel.
6. Select the panel **Status** from the drop-down list. The status can be Active, Inactive, or Not Present.
7. Enter a unique panel **Address**. The address corresponds to the DIP Switch settings on the panel and ranges from 1 through 31.

   For more information on the panel settings, refer to the NS2 installation manual.
8. Click **Add** under **ADV** to create an ADV for the panel.
9. After adding the ADV, click **OK** to return to the **Panel Configuration - Basic** dialog box.
10. Click **Next** to configure the Card Format settings.

Procedure to configure the Card Formats



1. In the **Panel-Configuration - Card Format** dialog box, set the WIEGAND card format values.

Note:

Honeywell recommends you to retain the default card format values. Default formats for slots 1, 2, and 3 are CR-1 Wiegand Card Swipe Reader, NR-1 Magstripe Swipe Reader, and PR-2 Hughes/IDI Proximity Reader.

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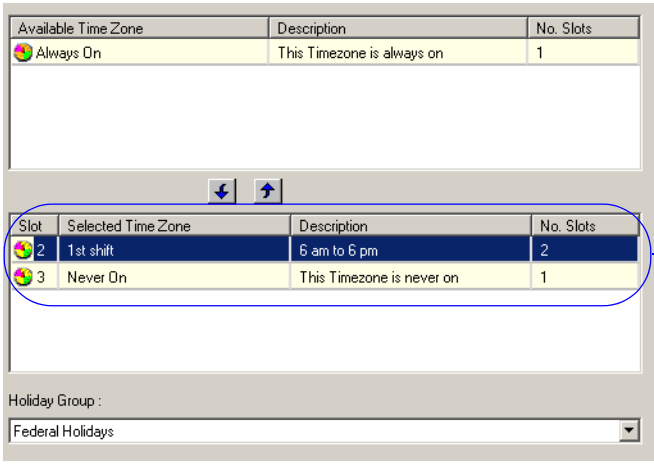
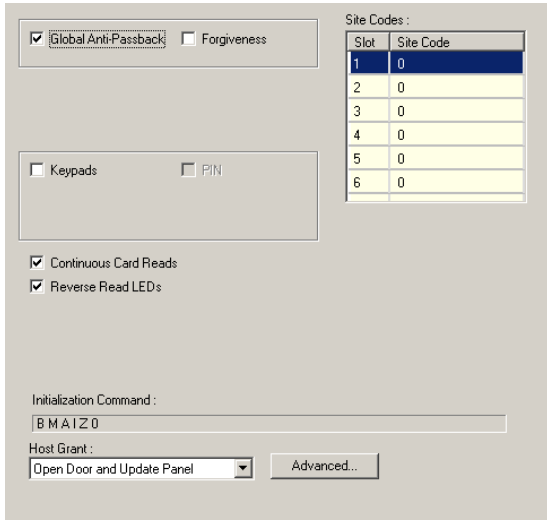
2. Click **Next** to assign the Time Zone and the Holiday Group to the panel.

Procedure to assign Time Zones



1. In the **Panel Configuration - Time Zones** dialog box, select the time zone from the **Available Time Zone** list and click . The time zone moves to the **Selected Time Zone** list. For multiple selections use the SHIFT and CTRL keys. The time zones that are listed in **Selected Time Zone** are available to the readers, inputs, and outputs of the panel.
2. Select the holiday group from the **Holiday Group** drop-down list.
3. Click **Next** to configure the panel options.

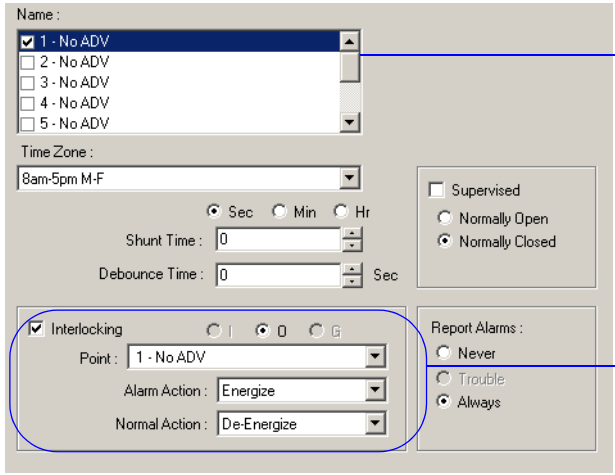
Procedure to configure the Panel Options



1. In the **Panel Configuration - Options** dialog box, select the **Global Anti-Passback** check box to ensure that the card holders present their cards while entering and exiting a building.
2. Select the **Forgiveness** check box to put all cards in a neutral state at midnight, everyday.
3. Select the **Keypads** and **PIN** check boxes for Card and PIN operation.
4. Select the **Continuous Card Reads** check box to allow card readers to read cards continuously, independent of the output pulse time.
5. Select the **Reverse Read LEDs** check box to reverse the standard LED operation of the reader. When the check box is selected, a reader which normally changes from green to red on a valid card read, changes from red to green.
6. Select the **Host Grant** options to grant permissions to card holders whose card details are not updated in the panel.

7. Click **Advanced** to configure additional settings for the output points and special card format options.
8. Enter a **Site Code** to ensure that only the cards belonging to the facility are provided access. You can enter up to eight site codes.
9. Click **Next** to configure the panel Input Points.

Procedure to configure the panel Input Points



1. In the **Panel Configuration - Inputs** dialog box, select an input point check box under **Name**.
2. Double-click the input point and type the name for the ADV. The default ADV is created.

   The settings in this dialog box are applicable to the selected input point.
3. Select the **Time Zone** during which the input point must be de-activated (shunted - not reporting change of state).
4. Select **Sec**, **Min** or **Hr** and set the **Shunt Time**. Shunt time is the duration for which the door can be kept open, after a valid card read or egress request, without generating a door ajar alarm. If the time taken to close the door exceeds the shunt time, an alarm is raised.
5. Enter the **Debounce Time** in seconds. Debounce time is the maximum time allowed for the input point to remain in the changed state before reporting an Alarm, Trouble or Normal condition. This feature is useful in avoiding false alarms from vibrating contacts.
6. Select the **Supervised** check box when end of line resistors are used in the input circuit. When selected, a trouble is reported when tampering of the input point is detected.

7. Click **Normally Closed** or **Normally Opened** to specify the normal state for the door position sensor or the other input devices.
8. Under **Report Alarms**, select one of the following options.
   - **Never** - Never reports an alarm on this input point.
   - **Always** - Always reports an alarm.
   - **Trouble** - Reports only the trouble conditions of the input point. This is typically used for egress devices to detect tampering.

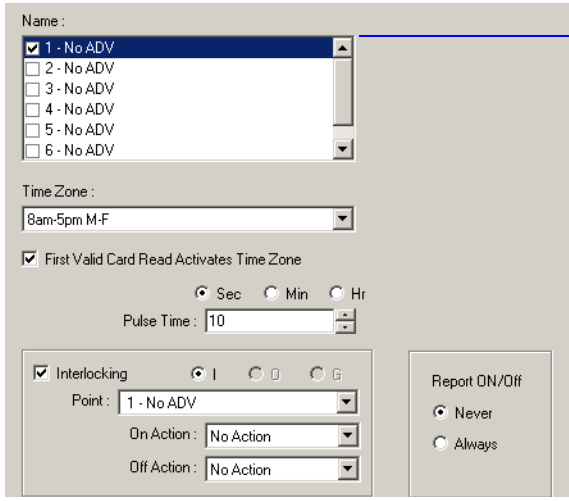
Notes:

- To report the Trouble alarms, the **Supervised** check box must be selected.
- Press the F1 key while the **Inputs** window is open, to view more information about the fields. In the same help topic, under Related Topics, select Panel Inputs to view a default input assignment table.

---

9. Set the **Interlocking** for the input point.
10. Click **Next** to configure the output points for the panel.

Procedure to configure the panel Output Points



1. In the **Panel Configuration - Outputs** dialog box, select a check box for an output point under **Name**.
2. Double-click the output point and type the name for the ADV. The default ADV is created.

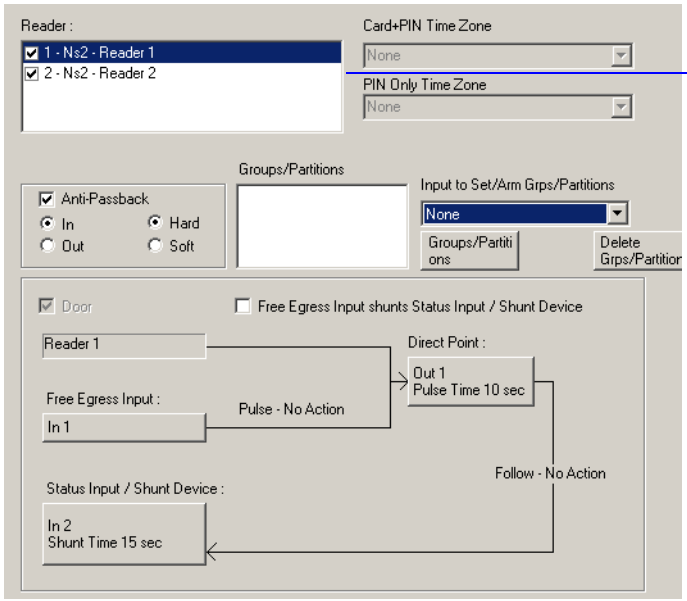
   The settings in this dialog box are applicable to the selected output point.

Note:

Press the F1 key while the **Outputs** window is open, to view more information about the fields. In the same help topic, under Related Topics, select Panel Outputs to view a default output assignment table.

3. Select a **Time Zone** during which the output point must be activated (door unlocked).
4. Select the **First Valid Read Activates Time Zone** check box to activate the output point when a valid card is read, within the associated time zone.
5. Select the time unit for the pulse time, and then select the **Pulse Time** to set the period during which the output point must be energized.
6. Set the **Interlocking** for the output point.
7. Select the required **Report ON/OFF** option.
8. Click **Next** to configure the reader for the panel.

Procedure to configure a Reader for the panel



1. In the **Panel Configuration - Readers** dialog box, select a reader from the list to view and modify its settings. The dialog box displays the panel configuration in a graphical form.
2. Select a reader from the **Reader** list.

3. Double-click the reader and type the name for the ADV. The default ADV is created.
4. Provide the following information to configure the reader properties.

Parameter	Description
Anti-Passback	Select the check box to set the anti-passback feature. Set the anti-passback reader properties. In - The reader is considered as IN-Reader. Out - The reader is considered as OUT-Reader. Hard - When an anti-passback violation occurs, the reader strictly restricts access. Soft - When an anti-passback violation occurs, the reader grants access, but sends a report on anti-passback violation.
Card+PIN Time Zone	Select the time zone for which access is allowed only when a valid card and PIN number are used at the reader.
PIN Only Time Zone	Select the time zone for which access is allowed when only a PIN number is used. In this time zone, access is denied even for a valid card read.
Door	Clear the check box to use the reader without attaching it to a door.
Groups/Partitions	Select the groups/partitions from the list to associate Galaxy groups or Vista partitions to the reader. **Note**: This option is available only for Galaxy and Vista panels. You need an additional license to add Galaxy and Vista panels.
Input to Set/Arm Galaxy Grps/Partitions	Select the input point to which Galaxy groups or Vista partitions are to be associated. **Note**: This option is available only for Galaxy and Vista panels. You need an additional license to add Galaxy and Vista panels.
Free Egress Input	Click to change the input point. The **Configure Free Egress** dialog box appears.

5. In the **Configure Free Egress** dialog box, provide the following information.

Parameter	Description
Egress Input	Select the input from the list.
Sec, Min, Hr and Shunt Time	Click Sec, Min, or Hr and enter the shunt time. Shunt time is the duration for which the door can be kept open, after a valid card read or egress request, without generating a door ajar alarm.

Parameter	Description
Debounce Time	Enter the time in seconds. Debounce time is the maximum time allowed for the input point to remain in the changed state before reporting an Alarm, Trouble or Normal condition. This feature is useful in avoiding false alarms from vibrating contacts.
Direct Point	Click to change the output for a valid card read. The **Configure Direct Point** dialog box appears.

6. In the **Configure Direct Point** dialog box, provide the following information.

Parameter	Description
I or O	Click I/O to indicate Input Point or Output Point.
Direct Point	Select the output point from the list.
Sec, Min, Hr and Pulse Time	Click Sec, Min, or Hr and enter the pulse time.
Free Egress Input shunts Status Input / Shunt Device	Select the check box to follow no action on the direct point when a Free Egress Input is activated.
Status Input / Shunt Device	Click to trigger an action in another input or output as a series action of the direct point. The **Configure Status Input / Shunt Device** dialog box appears.

7. In the **Configure Status Input / Shunt Device** dialog box, provide the following information.

Parameter	Description
I or O	Click I/O to indicate Input Point or Output Point.
Status Input / Shunt Device	Select the device from the list.
Sec, Min, Hr and Shunt Time	Click Sec, Min, or Hr and enter the shunt time. Shunt time is the duration for which the door can be kept open, after a valid card read or egress request, without generating a door ajar alarm.
Debounce Time	Enter the time in seconds. Debounce time is the maximum time allowed for the input point to remain in the changed state before reporting an Alarm, Trouble or Normal condition. This feature is useful in avoiding false alarms from vibrating contacts.
Set Defaults	Click to retain the default settings.

8. Click **Next** and then click **Finish** to add the NS2 panel to the device tree.

How to Define Control Areas/Control Map

Overview

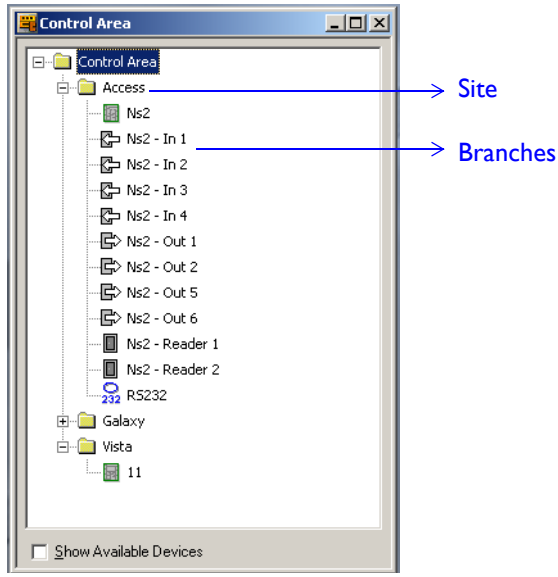
Control areas are logical areas containing devices such as communication servers, loops, panels, input points, output points, groups, partitions, zones, cameras, and readers.

Defining a Control Area involves creating a tree structure. A Control Area is defined by adding a site, adding branches to the site, and then adding devices to the branches. Devices can also be added directly to a site.

Configuring the Control Area helps you with monitoring and controlling devices in the Control Map. The Control Map shows the status of each device, the set of actions to be performed on the device when an event takes place, and the relationship between the various devices.

The Control Map shows the status of each device, the set of actions to be performed on the device when an event takes place, and the relationship between the various devices.

For more information on using the Control Map, refer to"How to Track Devices using the Control Map" on page 56



Procedure

1. Choose **Configuration > Define > Control Areas**. The **Control Area** window appears.
2. Right-click the site and select one of the following:
   - **Add Site** to add a site.
   - **Add Branch** to add a branch to the site.
   - **Add Devices** to add devices to the control area.
3. Click **OK/Add** to add the site/branch/device to the Control Area.

Initializing a panel from the Control Map

Overview

After configuring panels and adding them to the Control Area, the next step is to initialize the panels. Only when the panels are initialized, the panel configuration details are downloaded onto the panel.

Note:

Only the NS2 panel supports the Initialization feature.

Procedure

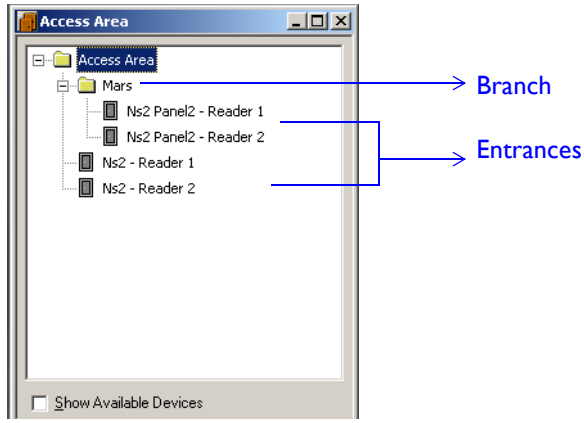
1. Choose **Operations > Control Map**.
   OR
   Click  . The **Control Map** window appears.
2. Right-click the desired panel in the Control Map and select **Initialize**. The **Panel Initialization Options** dialog box appears.
3. Select the check boxes for the information you want to download on to the panel.
   OR
   Click **Select All** to download all the information
4. Click **OK** to initialize the panel.

How to Define Access Areas

Overview

Access Areas are the logical areas in the Access Control System, defined by grouping readers (doors).

In NStar, the access area is displayed as a tree to which branches and entrances can be added. The branches in the tree represent the access areas. The entrances represent panels/readers/doors, through which you can gain access to the areas.



Procedure

1. Choose **Configuration > Define > Access Areas**. The **Access Area** window appears.
2. Right-click the **Access Area** folder or a branch and select one of the following:
   - **Add Branch** to add a branch to the site
   - **Add Entrances** to add entrances to the access area.
3. Click **OK/Add** to add the branch/entrance to the Access Area.

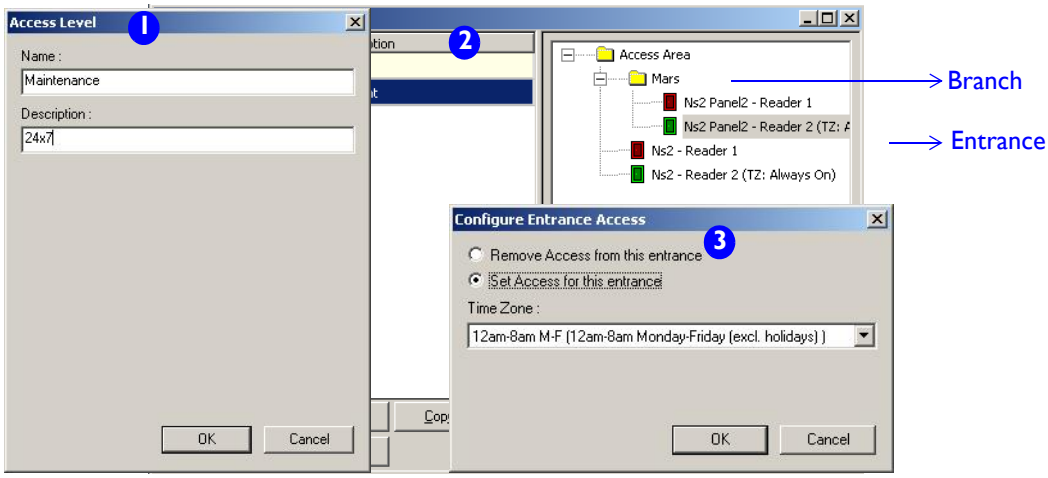
How to define Access Levels for the Access Area

Overview

With access levels, access can be granted or restricted to various access areas. The **Access Level** window contains information of the readers and their time zone association.

Procedure

1. Choose **Card > Access Level**. The **Access Level** window appears.
2. Click **Add**. The **Access Level** dialog box appears.
3. Type the **Name** and **Description** for the access level and click **OK**.
4. After the access level is added, configure the time zone access for the entrance/branch. (Right-click the entrance or branch and click **Configure**.)



For example, the card holders associated to the **Maintenance** access level are allowed access only to the **NS2 panel - Reader 2** and the **NS2-Reader 2**.

How to Configure Badges

Overview

Badge layouts are templates that define the size, placement, and properties of a badge. Properties of a badge are its printable size, its background color, and the magnetic stripes used for encoding the card holder information.

In addition, the badge layout contains placeholders for storing cardholder information such as photo, note fields, signatures, and bar codes.

This section covers information on how to add and configure badges. The following table lists the steps involved.

To…	Refer to…
Configure a Badge Layout	"Configuring a Badge Layout" on page 36
Configure Badge DLLs	"Configuring Badge DLLs" on page 37
Set up Badge Printers	"Setting up Badge Printers" on page 38

Note: The Badge Design utility is an optional feature. You must procure an additional license to use it. Contact Honeywell Customer Care for further details.

Configuring a Badge Layout

Overview

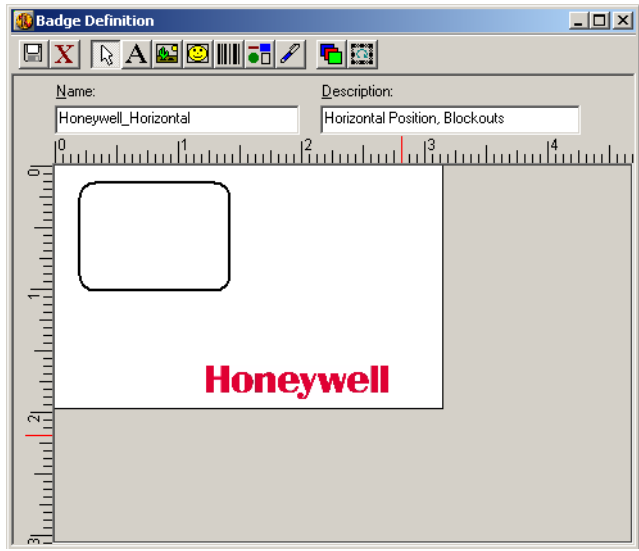
Configuring a badge layout involves:

- Adding a badge layout - Create a badge layout with a name and description.
- Creating badge designs - Place elements on the badge layout (bitmaps, placeholders for cardholder photo, bar codes, and so on) and set various properties for the badge elements.

Procedure to add a Badge Layout

1. Choose **Configuration** > **Badge** > **Badge Layout Utility**. The **Badge Layouts** window appears with a list of existing badges.

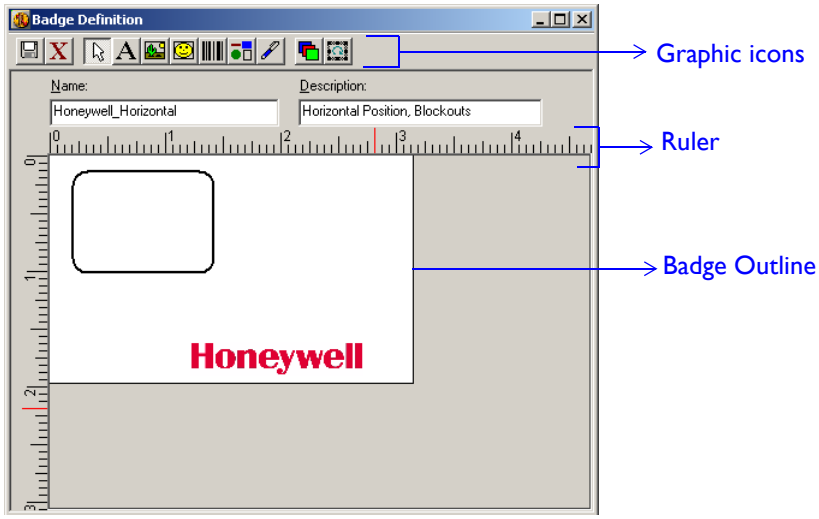
2. Click **Add** to add a badge layout. The **Badge Definition** window appears.



3. Type a **Name** and **Description** for the badge layout.
4. Click  to save the badge layout.

Procedure to create Badge Designs

1. Choose **Configuration** > **Badge** > **Badge Layout Utility**. The **Badge Layouts** window appears.
2. Select a badge layout and click **Edit**. The **Badge Definition** window appears with the details of the selected badge layout.



3. Configure the following settings.
   - Set the printable size for the badge.
   - Provide the background color, graphics, and image for the badge.
   - Specify the blockout areas on the badge.
   - Place the badge elements (text, bar codes, bitmap, placeholder for the card holder's photo, and placeholder for signatures) and set their properties.
4. Click  to save the badge layout.

For more information on creating badge designs refer to the NStar Online Help.

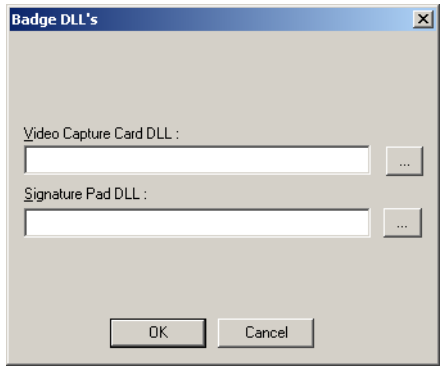
Configuring Badge DLLs

Overview

A specific dynamic-link library (DLL) file is required to use the video capture card, TWAIN device, and signature pad with the NStar application. DLLs for the supported hardware are in the NStar directory and can be installed in the application.

Procedure

1. Choose **Configuration > Badge > Badge DLL's**. The **Badge DLL's** dialog box is displayed.



2. Click the ellipsis ... button next to **Video Capture card DLL**. An **Open** dialog box appears with NStar opened as the default directory.
3. Select the appropriate DLL file, and click **Open**. The path to the DLL file is displayed in the **Video Capture Card DLL** text box.

Note:

If the DLL is not listed in the NStar directory, perform the following steps.

a. Open **Windows Explorer**.
b. Choose **Tools > Folder Options**. The **Folder Options** dialog box appears. (For Windows Vista, choose **Organize > Folder and Search options**.)
c. Click the **View** tab.
d. Under **Advanced settings**, expand **Files and Folders** and then **Hidden files and folders.**
e. Click **Show hidden files and folders**.
f. Click **Apply** to apply the changes and then click **OK**.

---

4. Click the ellipsis ... button next to the **Signature Pad DLL**. An **Open** dialog box appears with NStar opened as the default directory.
5. Select the appropriate DLL file and click **Open**. The path to the DLL file is displayed in the **Signature Pad DLL** text box.
6. Click **OK** to save the DLL file details and to close the **Badge DLL's** dialog box.

Setting up Badge Printers

Overview

NStar is compatible with many printers. Any printer that is supported by the Windows operating system can be used for printing badges. However, for two-sided PVC printing

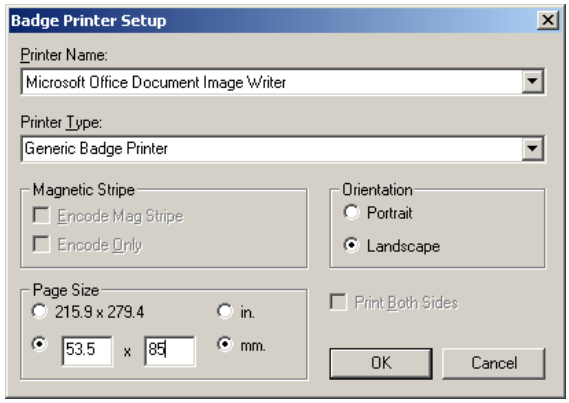
or magnetic stripe encoding, the Rio2e or Tango2e printer is required. In addition, Windows-compatible laser or other color printers can be used for printing badges on paper.

Note:

Install your printer using the Windows Control Panel. (Refer Microsoft documentation for more information.) Ensure that you also install the printer driver.

Procedure

1. Choose **Configuration > Badge > Configure Badge Printer**. The **Badge Printer Setup** dialog box appears with the list of printers configured in the computer.



2. Select the printer required for badge printing in the **Printer Name** list.
3. Select the **Printer Type**.
4. Under **Magnetic Stripe**, select the **Encode Mag Stripe** check box to encode magnetic stripe information.
5. Select the **Encode Only** check box to encode only the magnetic stripe information and not print it.
6. Under **Orientation**, click **Portrait** or **Landscape**. The default orientation for the badge is **Landscape**.
7. Under **Page Size**, select the page size in inches or millimeters. The default page size for the badge is 53.5 mm x 85 mm.
8. Click **OK** to save the badge printer settings and close the **Badge Printer Setup** dialog box.

How to Add Cards

Overview

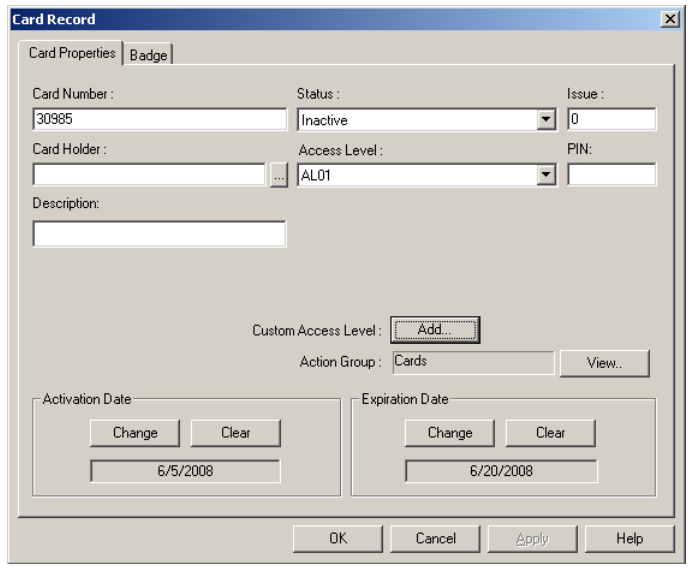
A card has a card number by which it can uniquely be identified. It can be assigned to a badge and a card holder, to create unique badge IDs or access cards. These cards contain the card number, access level, and the card status (Active or Inactive) information.

NStar allows you to add a single card or add cards in bulk. Normally, cards are added in large volumes and are later assigned to card holders as per requirements.

A card holder can hold more than one valid card at the same time, to gain access to multiple facilities.

Procedure

1. Choose **Card > Card**. The **Card** window appears.
2. Click **Add** to add a new card. The **Card Record** dialog box appears.



3. In the **Card Properties** tab, type a unique **Card Number**.
4. Click the ellipsis button to select a **Card Holder** from the **Select** dialog box.
5. After selecting the card holder, click **OK** to return to the **Card Record** dialog box.
6. Select the **Status** of the card from **Active**, **Inactive**, **Lost or Stolen**, and **Trace**.

7. Select an **Access Level** from the list. You must assign an access level if you have selected the Status as Active or Trace.
8. Type the **Issue** number to trace the number of times the card is issued.
9. Type a unique **PIN** number. The Person Identification Number is used along with the card at the card Reader/Keypad for higher security.
10. Describe the card details in **Description**.
11. Click **Add** next to **Custom Access Level** to customize the access level for the card.
12. Click **View** next to **Action Group** to select an action group for the card. Action Group is not required for normal operations. It is used for special applications that are unique to the card number.
13. Click **Change** under **Activation Date** to set the date for card activation.
14. Click **Change** under **Expiration Date** to set the date for card de-activation.
15. Click **OK** to add the card.

Procedure to add cards in bulk

1. Choose **Card > Bulk Card Add**. The **Bulk Card Add** dialog box appears.
2. Type the **Start Number** and the **End Number** of the card series. For example, type 100 and 200 to add 100 cards starting with the card number 100, till card number 200.
3. Select the **Status** of the cards.
4. Select the **Access Level** of the cards.
5. Select the front and back designs for the badges in **Badge Front** and **Badge Back**.
6. Set the **Activation Date** and **Expiration Date**.
7. Click **Start** to add the cards. The progress indicator displays the progress.

Caution:

Do not stop any NStar services or turn-off the computer while the addition of bulk cards is in progress.

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8. Click **Close** to complete the addition of bulk cards.

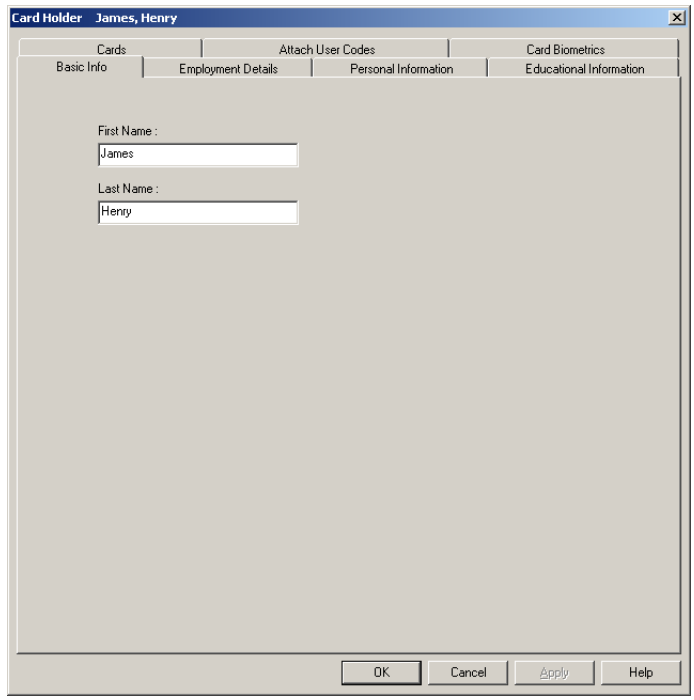
How to Add Card Holders

Overview

A Card Holder is a person who holds a card. Card Holders in NStar are defined by details such as First Name, Last Name, and User-defined fields referred to as Note Fields. These fields are used for storing additional card holder information such as qualification, passing year, employee number, and so on.

Procedure

1. Define note field templates and card holder tab layouts.
2. Choose **Card > Card Holder**. The **Card Holder** window appears.
3. Click **Add** to add a card holder. The **Card Holder** dialog box appears.



4. Provide the following information.
   - **Basic** tab - Provide basic information like First Name and Last Name.
   - **User defined** tabs - Provide card holder additional information in the user-defined tabs.
   - **Cards** tab- Add and/or attach cards to the card holder.

- **Attach User Codes** tab- Attach user codes to the card holder. User codes are defined for Galaxy and Vista panels. (Support for these panels is optional and requires an additional license.)
- **Card Biometrics** tab - Attach a photo, badge or signature to a card holder.

Note:

Defining note field templates and card holder tab layouts are optional steps.

To assign a card to a card holder

- Select a card holder while adding a new card.
  OR
- Add a new card or attach an existing card, while adding the card holder.

How to Attach a Badge to a Card Holder

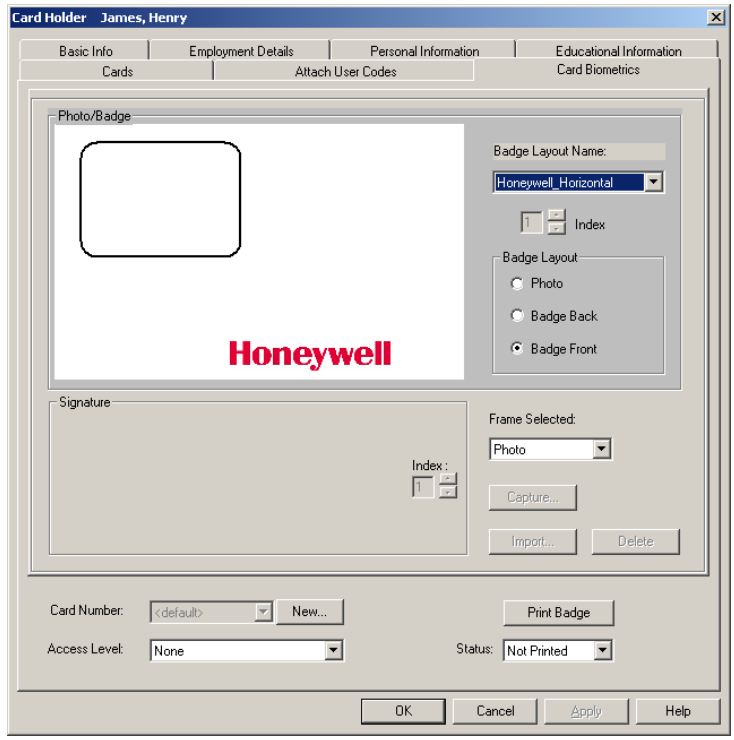
Overview

After adding badges, cards, and card holders, you can attach a badge to the card holder.

When a badge is associated with a card holder, the card holder information such as photo, signature, and other note field information are automatically entered on the badge. These unique badges can then be used as photo IDs and access cards.

Procedure

1. In the **Card Holder** dialog box, click the **Card Biometrics** tab.



2. In the **Frame Selected** list, select Photo to attach a photo or badge to the card holder. The **Photo/Badge** frame is highlighted.
3. Under **Badge Layout**, click **Badge Back** or **Badge Front** to attach the badge to the back or the front of the card.
4. Select the badge design in the **Badge Layout Name** list. The selected badge design is displayed in the preview area.

Note:

To detach a badge, select **None** in the **Badge Layout Name** list.

How to Add Operators

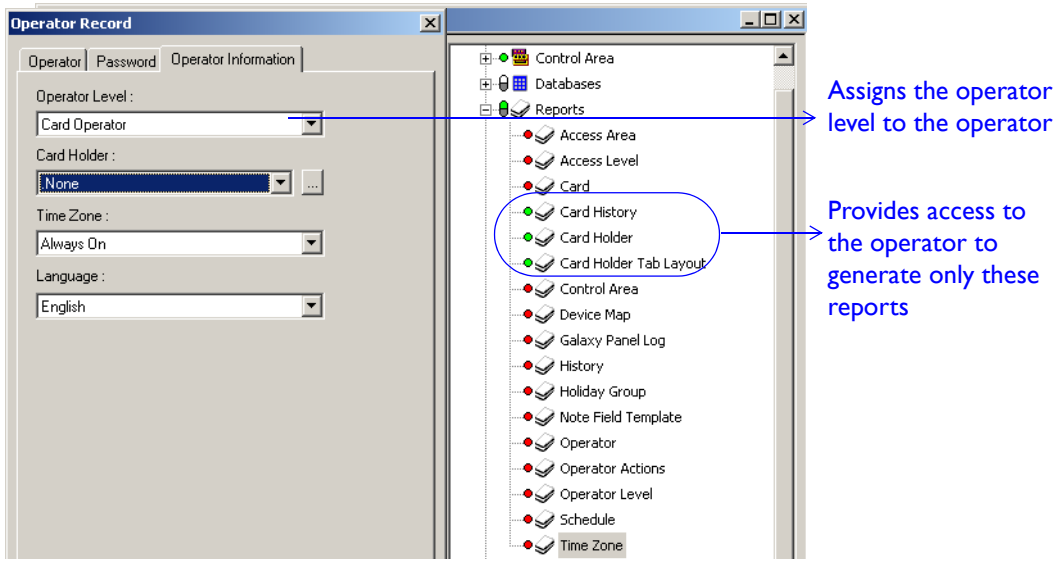
Overview

Operators are individuals with a set of defined rights and privileges to work with the NStar user interface. Each operator is provided a user name and password to log on to NStar.

The operator's rights to view and modify various NStar user interface components like databases and reports can be configured for an operator level.

Procedure

1. Choose **System > Operator**. The **Operator** window appears.
2. Click **Add** to open the **Operator Record** dialog box.
3. In the **Operator** tab, select the **Operator Type** and type the **Operator Name**.
4. Click the **Password** tab to set the password.
5. Click the **Operator Information** tab.
6. Associate the operator to the **Operator Level**, **Card Holder**, and **Time Zone**.



7. Click **Apply** and then **OK** to add the operator.

Defining Operator Levels

Overview

The operator level defines the privileges of the operator to work with NStar. When an operator is assigned to an operator level, the operator gains access to the application features configured for that level.

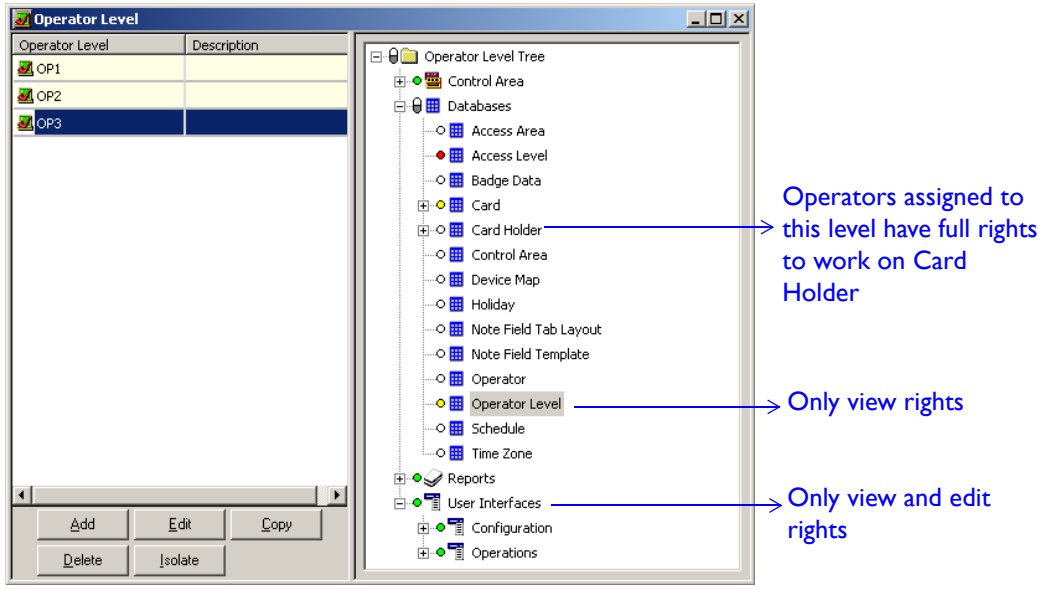
In an operator level, the rights are configured for the following system elements.

- Control Area - To control devices in the control area through the Control Map.
- Databases - To configure Card Holder, Cards, Badges, Device Map, and so on.

- Reports - To run the reports.
- User Interfaces - To configure and operate on the NStar User Interface.

Procedure

1. Choose **System > Operator Level**. The **Operator Level** window appears.
2. Click **Add**. The **Operator Level** dialog box appears.
3. Type the **Name** and **Description** for the operator level and click **OK**.
4. After the operator level is added, configure the rights for the tree-entry. (Right-click the branch and click **Configure**.)



Note:

Each device, database, and user interface element in the control tree is color-coded, based on the rights assigned to it.

- Red indicates no rights
- Yellow indicates view rights
- Green indicates view and edit rights
- White indicates full (view, edit, and delete) rights

How to Add Intrusion Panels

Adding a Galaxy Panel

Overview

The Galaxy panel helps you monitor and track intrusions at different zones. The area monitored by sensors is termed as a Zone.

NStar communicates with the Galaxy panel through the Galaxy Ethernet Module. Therefore, you must configure the Galaxy Ethernet Module in the communication server before you add the Galaxy panel in NStar. When you add the Galaxy panel, its configuration details are downloaded on to NStar through the Galaxy Ethernet Module.

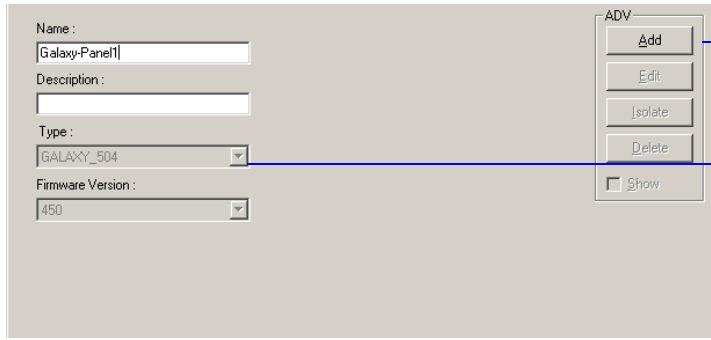
Notes:

- Support for intrusion panels is optional. You must procure a supporting CD key to use intrusion panels in NStar. Contact Honeywell Customer Care for further details.
- The Classic and Grade 3 series of Galaxy panels are supported.
- You can add only one Galaxy panel to NStar.

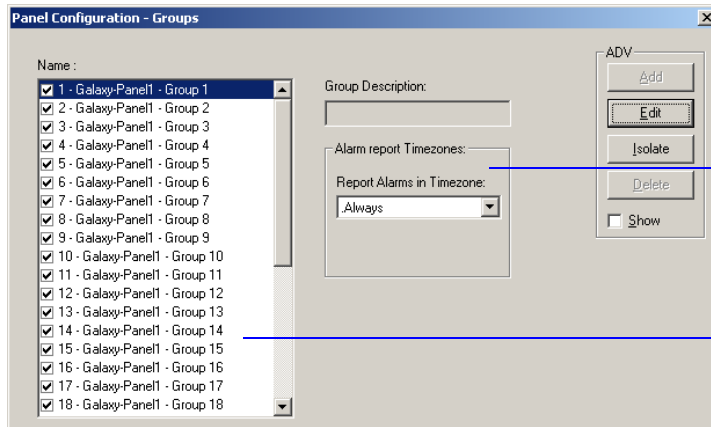
Procedure

1. Choose **Configuration > Device > Device Map**.
2. Right-click on the Communication Server to add the Galaxy Ethernet Module.
3. Configure the Module by entering the **Name**, **IP Address**, **Panel Defaults**, port numbers, and the **Connection Password** information.
4. Then, right-click the **Ethernet Module Galaxy (Single Panel)** and click **Add New Galaxy Panel**.

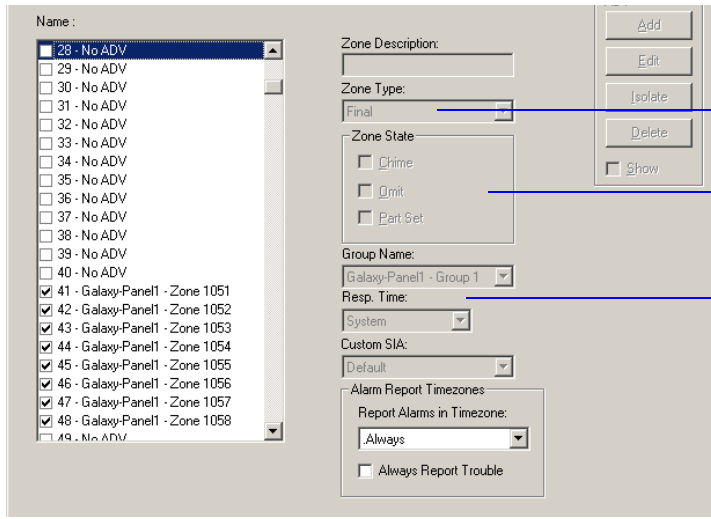
   The NStar application establishes a connection with the Galaxy panel to download the configuration details. After the panel configuration details are downloaded, the **Panel Configuration - Basic** dialog box appears.
5. Enter the panel **Name** and **Description**.



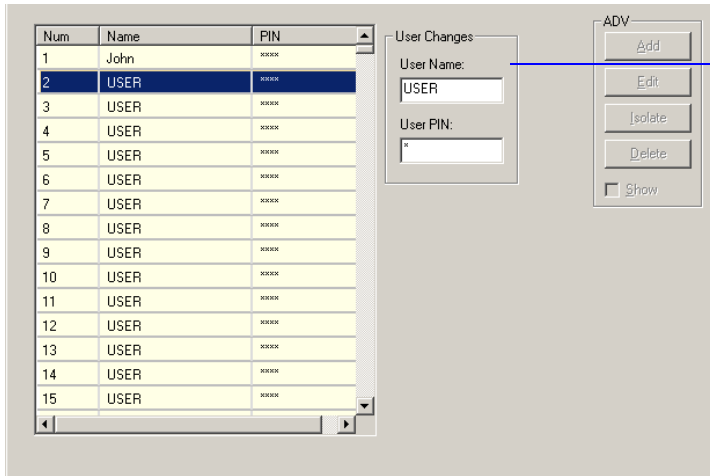
6. Set the panel groups and select a time zone during which alarms must be reported.



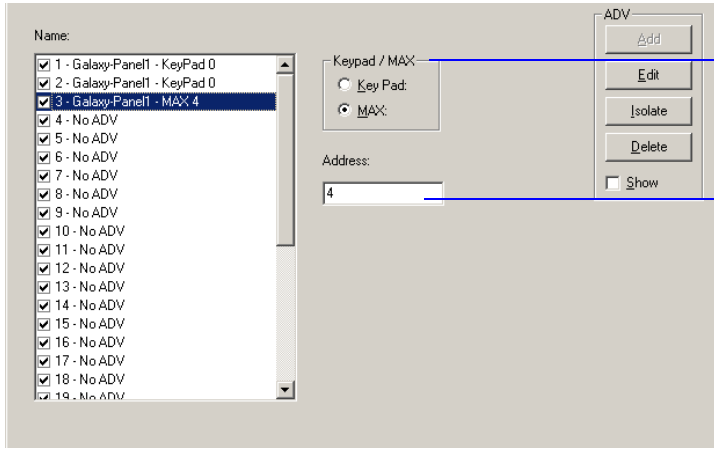
7. View the panel zone properties and select a time zone for raising alarms.



8. Set the panel outputs, and the RIO boards (The extendable boards for extending the number of zones or outputs).
9. Define the Galaxy user codes.



10. Define keypads and MAX for the Galaxy panel.



Adding a Vista Panel

Overview

Vista is another intrusion panel which helps you monitor and track intrusions.

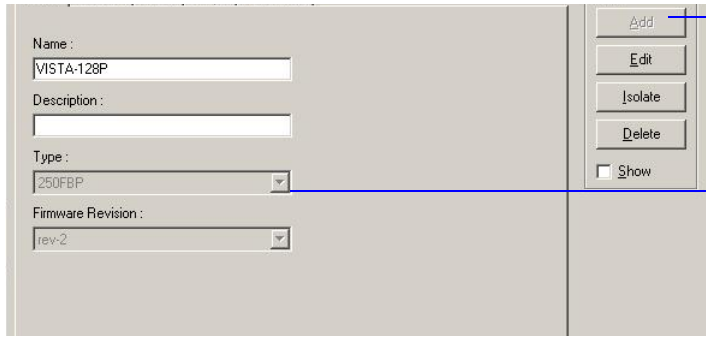
NStar communicates with the Vista panel through the Vista Panel Port. Therefore, you must configure the Vista Panel Port in the communication server before you add the Vista panel.

Note:

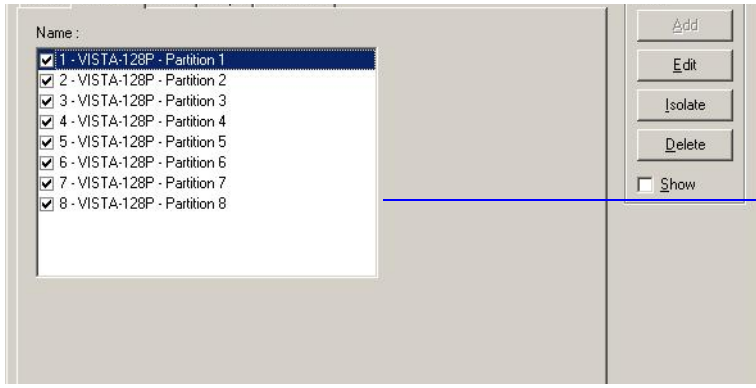
Support for intrusion panels is optional, based on the CD key. Contact Honeywell Customer Care for further details.

Procedure

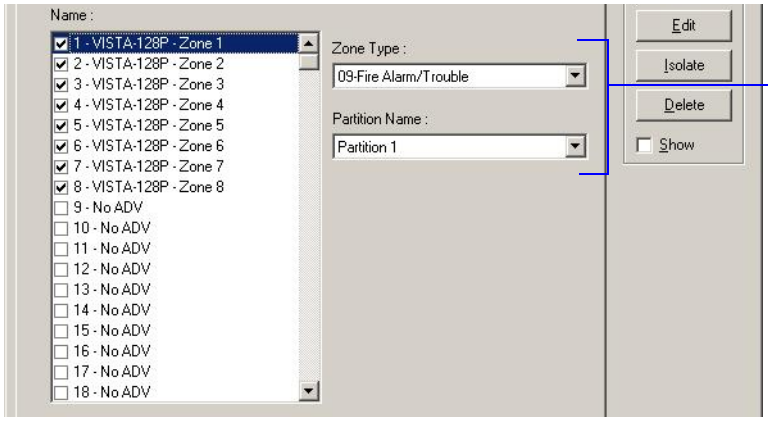
1. Choose **Configuration > Device > Device Map**.
2. Right-click on the Communication Server to add the Vista Panel Port.
3. Configure the Vista Panel Port by entering the **Name**, **Port**, **Master/User Code**, and the **Installer Code** information.
4. Then, right-click the **Vista Panel Port** and select **Add New Vista Panel**. The **Panel Configuration - Basic** dialog box appears.
5. Enter the panel basic information and select a panel type.



6. Select the Vista panel partitions.

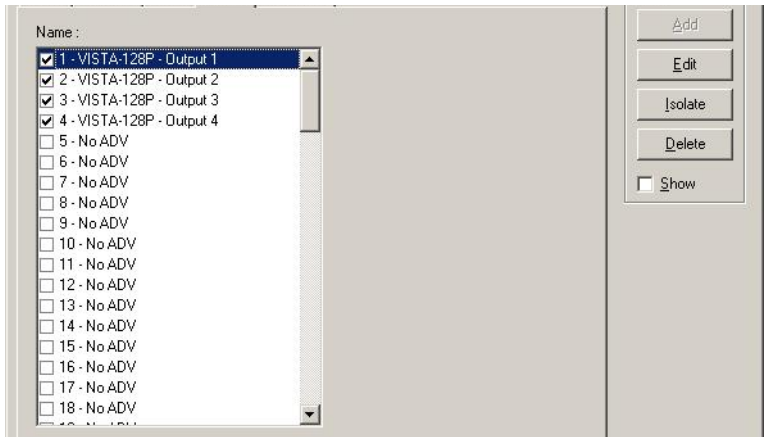


7. Configure the zone information.

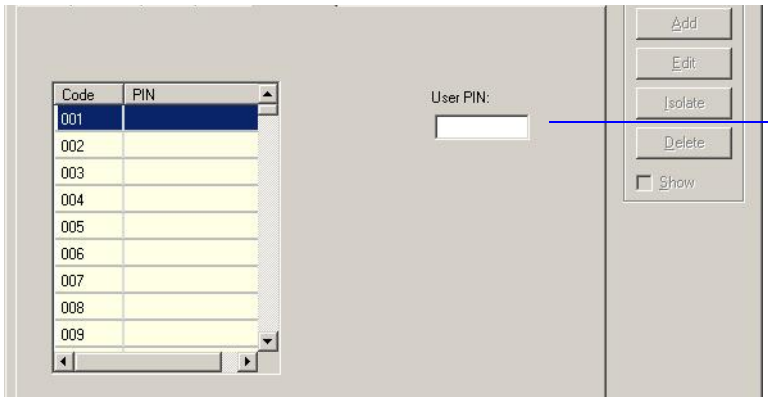


Set the Zone Type and Partition

8. Set the output points for the Vista panel.



9. Configure the user codes for the panel.



Sets the PIN number for each user

How to Add Digital Video

Overview

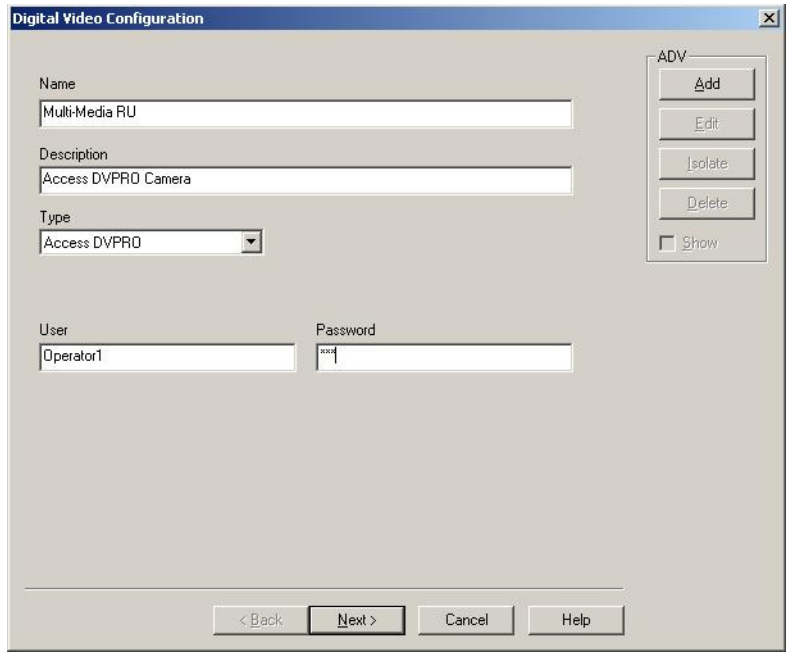
In NStar, you can view digital video in the **Digital Video Display** window. Access DVPRO (RapidEye) and Fusion are the Digital Video Recorders supported in NStar.

Note:

Support for digital video is optional, based on the CD key. Contact Honeywell Customer Care for further details.

Procedure to add an Access DVPRO Video

1. Choose **Configuration > Device > Device Map**.
2. Right-click the **Devices** folder and choose **Add > Digital Video**. The **Digital Video Configuration** dialog box appears.

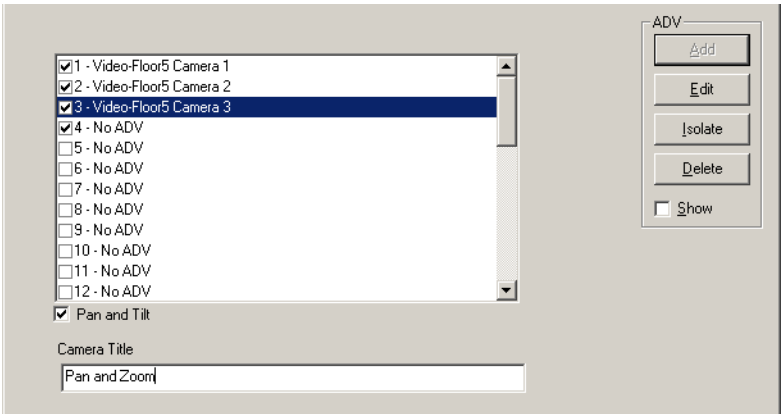


3. Type a **Name** and **Description** for the Access DVPRO recorder.
4. Select the **Type** as Access DVPRO.
5. Type the **User** name and **Password**.

Notes:

- The **Name**, **User name**, and **Password** must be the same as those used with the Rapid Eye software.
- The Rapid Eye Admin and View software must be installed on the same computer as the NStar software.

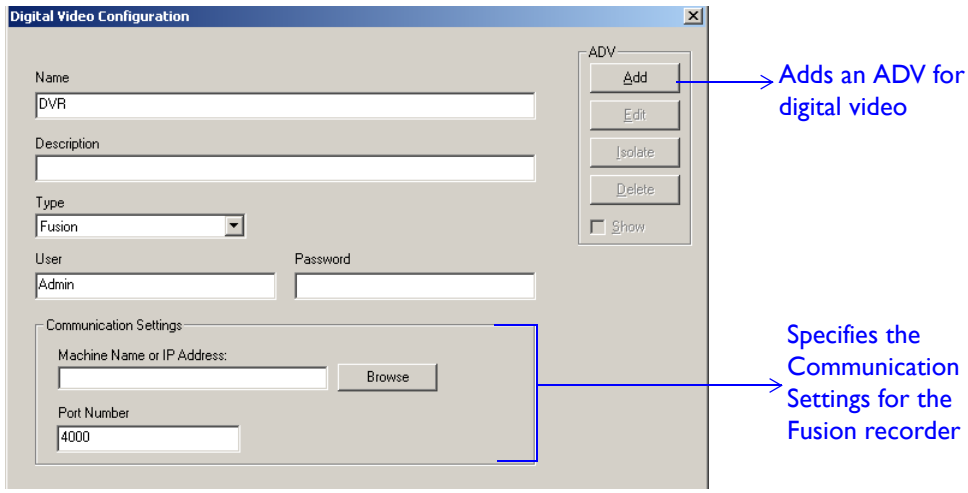
6. Click **Next** to configure the camera settings.



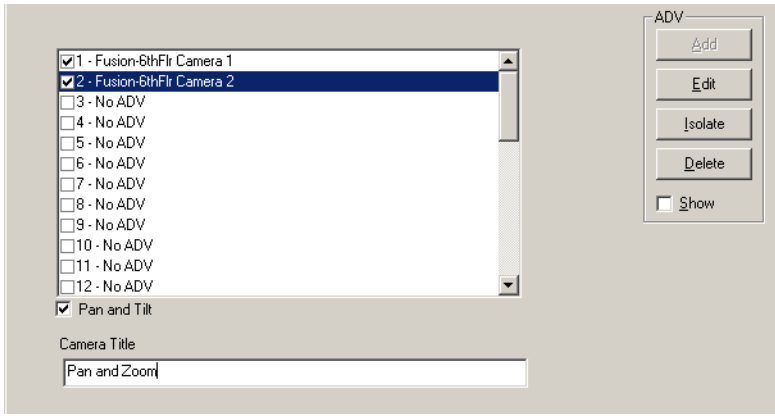
7. Double-click the camera and type the name for the ADV. The default ADV is created.
8. Select the **Pan and Tilt** check box to set the pan and tilt property for the camera.
9. Type the **Camera Title**.
10. Click **Next**, and then click **Finish** to add the Access DVPRO digital video.

Procedure to add a Fusion Video

1. Choose **Configuration > Device > Device Map**.
2. Right-click the **Devices** folder and choose **Add > Digital Video**. The **Digital Video Configuration** dialog box appears.



3. Type a **Name** and **Description** for the Fusion recorder.
4. Select the **Type** as Fusion.
5. Type the **User** name and **Password**.
6. Type the **Machine Name or IP Address** and **Port Number** to set the **Communication Settings**.
7. Click **Next** to configure the camera settings.



8. Double-click the camera and type the name for the ADV. The default ADV is created.
9. Select the **Pan and Tilt** check box to set the pan and tilt property for the camera.
10. Type the **Camera Title**.
11. Click **Next**, and then click **Finish** to add the Fusion digital video.

OPERATING NSTAR

Overview

After setting up NStar, you can use it to monitor and track various access related activities like the movement of card holders, actions performed by the operators on the NStar user interface, violations in the access control system, and so on.

This chapter provides information on the tasks you can perform, to monitor and control the NStar access control system.

The information covered in this chapter

For...	Refer to...
Tracking Devices using the Control Map	"How to Track Devices using the Control Map" on page 56
Handling Events and Alarms	"How to Handle Events and Alarms" on page 56
Viewing Digital Video	"How to View Digital Video" on page 60
Generating Reports	"How to Generate Reports" on page 61
Maintaining the Database	"Database Maintenance" on page 63

Note:

- *This guide can be used as a quick reference for the features available in NStar. For a complete understanding of the windows/screens, refer to the NStar online help. Press F1 to open the help topic related to the window.*
- Some features in NStar are optional such as viewing alarms and digital video. You must procure the appropriate license to use them. Contact Honeywell Customer Care for further details.

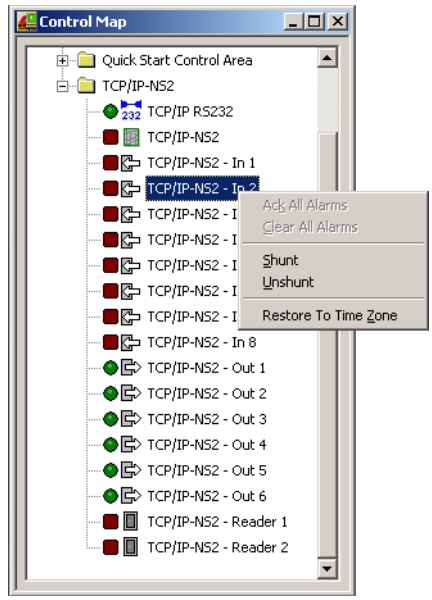
How to Track Devices using the Control Map

Overview

Operators who are assigned to the control areas can view the status of devices and control them using the control map.

Procedure

1. Choose **Operations > Control Map**
   OR
   Click . The **Control Map** window appears.
2. Expand the control area folder and then its branches.
3. To control a device, right-click the device and select the command from the menu.



Moving the cursor over the control map icon displays a tool tip which explains the status of the device.

How to Handle Events and Alarms

Overview

Access control activities in NStar can be classified as events such as card reads and alarms such as invalid card reads, based on the alarm priorities assigned to them. The priority value ranges from 1 to 99.

The action priority value and the values set for **Alarm Priority for notification** and **Alarm Priority for required acknowledgement** determine if:

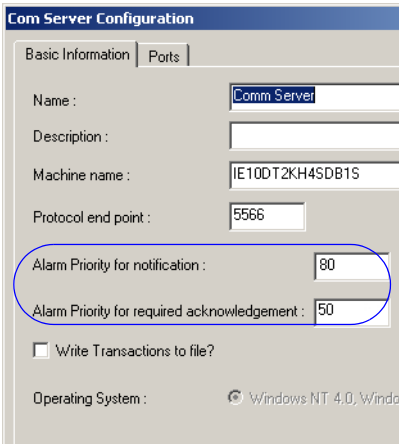
- The action is displayed as an event in the **Event View**.
- The action is considered as an alarm and displayed in the **Alarm View**.

Assume that:

Alarm Priority for notification = 80

Alarm Priority for required acknowledgement = 50

Then:



Priority value	Displays in...		Records in History
	Alarm View	Event View	
0	No	No	No
1-50	Yes	Yes	Yes
51-79	No	Yes	Yes
80-99	No	No	Yes

Event View

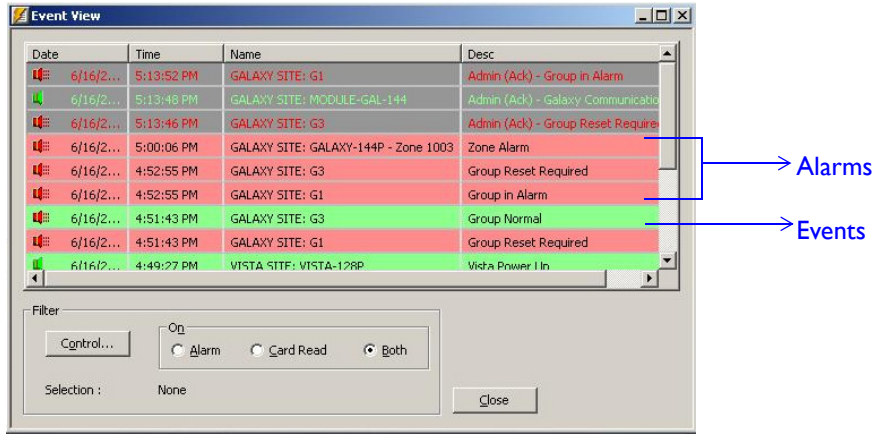
Overview

An event is an access control activity such as a card read, change in the state of input, and so on. The Event View window displays the details of access control activities as and when they occur.

You can filter the areas or devices to show the events that occur only in the filtered areas or devices. When the window is closed, the displayed events are lost. However, a record history of the events is maintained in the NStar database.

Procedure to view the Events

1. Choose **Operations > Event**. The **Event View** window appears with the list of events.



2. Click one of the following options under **On** to filter the events displayed.
   - **Alarm** - Display only the alarms.
   - **Card Read** - Displays only the card reads.
   - **Both** - Displays the alarms and card reads.
3. Click **Close**.

Alarm View

Note:

This is an optional feature. You must procure the appropriate license to use this feature. Contact Honeywell Customer Care for further details.

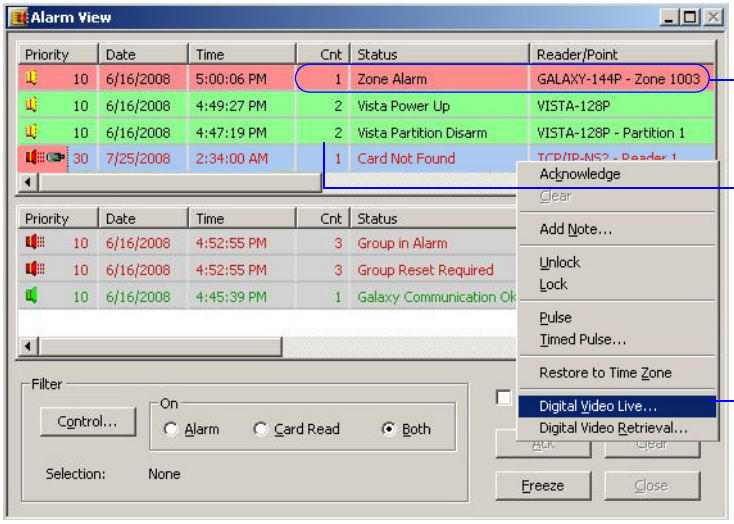
Overview

An alarm is an event or an access control activity that must be acted upon as soon as it occurs. The **Alarm View** window displays alarms which beep until they are acknowledged.

The **Alarm View** window is divided into two horizontal panes. Incoming alarms are displayed in the upper pane according to priority and time. The lower pane displays the list of acknowledged alarms. The color of an alarm indicates its state. The alarm states are Alert (red), Normal (green), and Trouble (yellow).

Note:

Only if you have procured the license to use the Galaxy panel and/or Vista panel, the alarms triggered in the Galaxy/Vista panels are displayed in the **Alarm View** window.



Procedure to view the Alarm Details

1. Choose **Operations > Alarms** or double-click an alarm to open the **Alarm View** dialog box.
2. Select the **Details** check box. The **Alarm Details** window is displayed.

   The **Alarm Details** window displays the following information.
   - Name of the reader, input or output point from where the alarm is triggered.
   - The date and time of the alarm and the state of the reader or point.
   - Indication of whether the alarm is acknowledged or cleared.
   - The name of the operator who has acknowledged or cleared the alarm.
   - The message box to display the note added by the operator while acknowledging or clearing the alarm.
3. To acknowledge the alarm, right-click the alarm and select **Ack**.
4. To clear the alarm, right-click the alarm and select **Clear**.
5. To add a note while acknowledging or clearing an alarm,
   - Right-click the alarm and select **Add Note**. The **Add Operator Note** dialog box appears.
   - Type a message and click **OK**.

Note:

The operator notes are saved and can be viewed in the History report.

How to View Digital Video

Overview

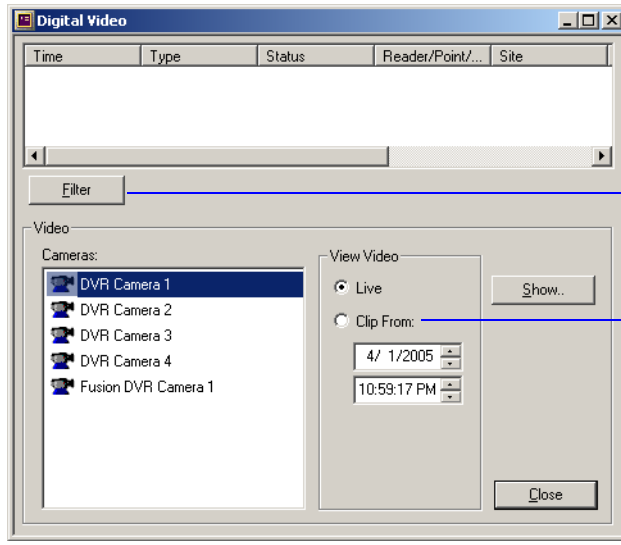
The Digital Video Display window shows live video or recorded video from the selected DVRs. The live/recorded video enables you to monitor and track the movement of card holders and visitors.

Note:

This is an optional feature. You must procure the appropriate license to use this feature. Contact Honeywell Customer Care for further details.

Procedure

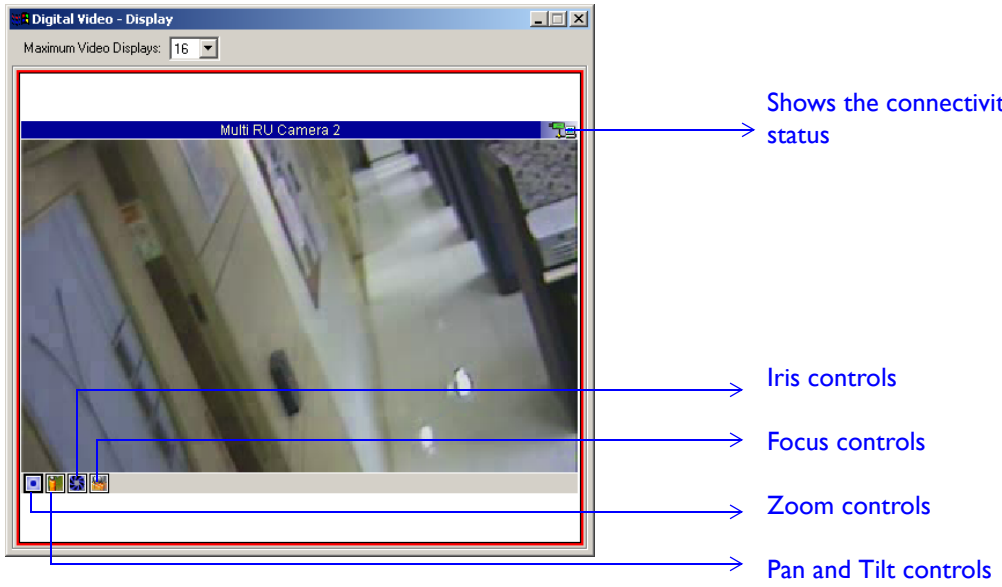
1. Choose **Operations > Digital Video**.



2. Select the cameras from the **Cameras** list.
3. To view live video, click **Live**.

   OR

   To view the recorded clip, click **Clip From** and enter the period during which the clip is recorded.
4. Click **Show** to view the live video or the recorded video. The **Digital Video Display** window appears.



For the recorded video display, controls are provided to pause, play, fast forward, adjust time, and so on.

How to Generate Reports

Overview

You can generate and print reports to monitor and track the access related activities in NStar.

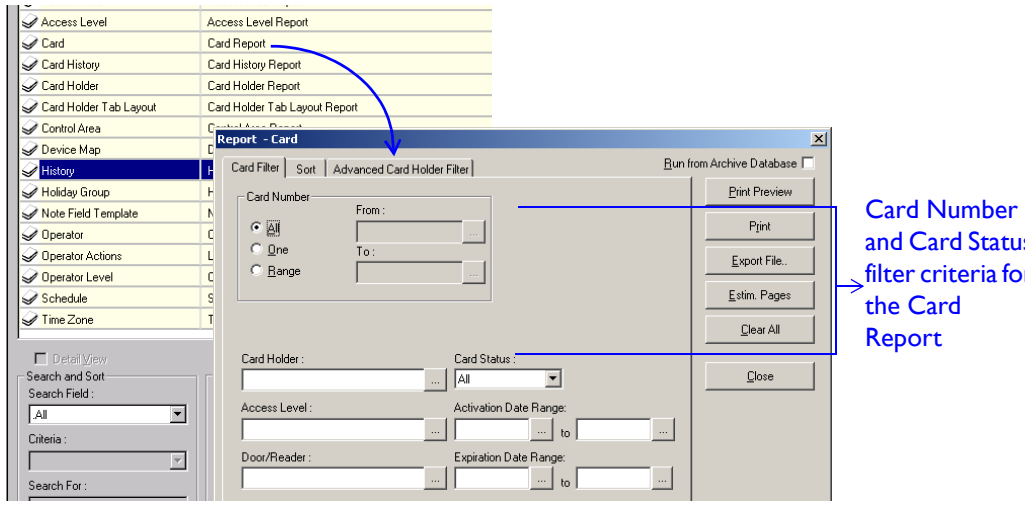
You can generate a report for all the actions performed by the operators on the NStar user interface and monitor their activities. A card report can be generated for card holders, the card status, and the access level. Access Area Report, Operator Report, Time Zone Report, and Device Map Report are some of the other reports which can be generated.

Each report can be customized based on filter criteria. For example, you can filter the Card Report, based on the card number and the card status.

Report options are available to print and export the generated report. The following table lists the report options.

Report Options

Report Option	You can…
Preview	Preview the report before printing.
Print	Print the report and save the generated report to a file.
Export	Export the report to a file. The available file formats are .txt and .csv.
Estimate Number of Pages	Assess the number of pages the report requires before you print it.
Clear Filter Options	Clear all the filter options set for generating the report.
Run Report	Generate the report for all the actions performed by an operator in NStar. This option is available only for the Operator Actions Report.
Run from Archived Database	Generate reports based on the data stored in the database.



Procedure

1. Choose **Reports** > **Reports** or click the Reports icon on the toolbar. The **Reports** window appears, displaying the list of reports in NStar.
2. Double-click a report from the list.
   OR

Select a report from the list and click **Report Options**. The corresponding Report dialog box appears.

3. Set the filter criteria to customize the report according to requirements.
4. Click the report option to print or export the generated report.
5. Click **Close**.

Database Maintenance

Database maintenance involves the following functions.

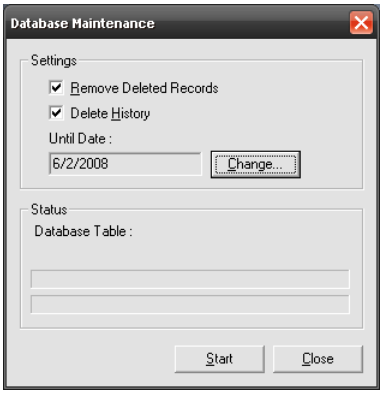
- Removing unused data.
- Making a backup of the database for use during hardware/software problems.
- Restoring a backup of the database when required.

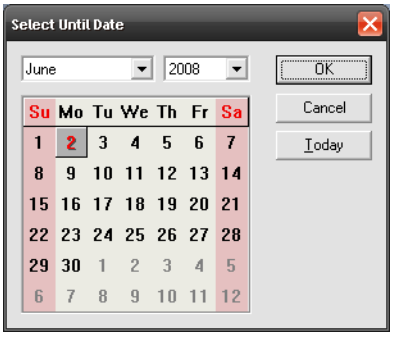
Removing Unused Data

When records are deleted from a database, they are not removed from the hard disk. They are unavailable for use, but still occupy hard disk space. It is necessary to remove these files for optimum hard drive usage.

To remove deleted database records and/or history

1. Choose **File > Database Maintenance**. The **Database Maintenance** window appears.
2. Select **Remove Deleted Records** under **Settings** to delete records from the hard drive.
3. Select **Delete History** under **Settings** to delete history files.
4. Click **Change** to open the **Select Until Date** dialog box and select a date from the calendar.





Calendar

Note:

The deleted records and/or the history till the selected date are/is removed.

5. Click **Start**. A **Deleting Records** dialog box appears warning you to backup the database before deleting the files.

Note:

If history is deleted, it can be restored only by restoring the entire database from a backup copy. Therefore, it is recommended that you make a backup copy of the database before deleting the history.

6. Click **Yes** to proceed with the deletion. A progress bar displays the status of the deletion process and the name of each database as it is being processed.
   OR
   Click **No** to make a backup of the database.

Backing up and Restoring the Database

The NStar Backup and Restore utility is a stand-alone application that enables you to create a backup and restore it when required.

The Backup and Restore Utility is automatically installed with the NStar application. You can access the utility from the NStar Program group on the Start menu.

The NStar Backup and Restore Utility is made up of three components: Backup, Schedule, and Restore. You can schedule the backup of NStar hardware and history database information, and restore the backup when required.

Note:

- Backup of data such as badge images, signatures, and badge graphics cannot be created using the Backup and restore utility.
- If you are using the default SQL Server 2005 Express Edition, then a backup cannot be scheduled from the Backup and Restore utility. To schedule the backup, go to **Configuration > Time Management > Schedule** in the NStar User Interface.

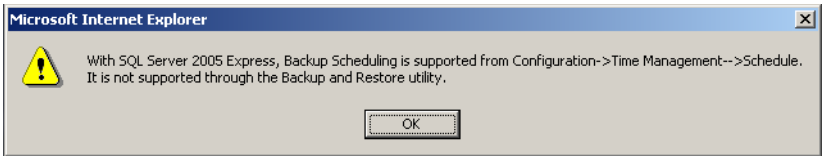
To backup the database

1. Double click the NStar Backup & Restore icon  . The **NStar Backup and Restore** window appears.

2. Click **Backup & Schedule.** The **NStar Backup** window appears.
3. Type a unique **Backup Name** and **Description**.
4. Select a database **Backup Type**.
   - **Database-Complete** - Creates a complete backup.
   - **Database-Differential** - Creates a backup of only the differences from the last complete, appended or differential backup.
5. Select a **Destination** for the backup file from **Tape** or **Disk**.
6. Enter a **Filename** for the backup.
7. Select **Append** to add only the differences from the last backup to the existing backup file.
8. Click **Continue**. The **NStar Schedule** window appears.
9. Select the **Schedule Type**.
   - **Run Immediately** - Starts the backup immediately after you click **Finish**.
   - **Run Once** - Creates a backup at the time and date specified.
   - **Schedule to occur later** - Creates a backup regularly at the specified interval.

Note:

For an SQL Server 2005 Express database, the **Run Once** and **Schedule to occur later** options are not available. If you select the options, the following message is displayed.



To schedule the backup, go to **Configuration > Time Management > Schedule** in the NStar User Interface.

---

10. Click **Finish** to run the backup.

To restore a database backup

1. Double click the NStar Backup & Restore icon . The **NStar Backup and Restore** window appears.
2. Click **Restore**. The **NStar Restore** window appears.
3. Click the **Restore from** option.
   - **View the list of backups made from this machine** - To view a list of all the backup files created and saved on the computer.

- **View the list of backups on a specific device** - To view a backup file created or/and saved on a disk/tape drive.

4. Click the **Restore To** option.
   - **Restore to NStar Database** - Restores the NStar database. You must stop the NStar services before proceeding with the restore.
   - **Restore to NStar Archive Database** - Replaces the existing archive database.
   - **Restore to New Database** - Creates a new database without changing the current or the backup database.
5. Click **Restore** to start the restore process.

If you have any query...

Refer to

- The NStar Online Help (Open the application and press F1)
  OR
- Contact the Honeywell Access Systems Support team.

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Louisville, KY 40299
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Phone: 800-323-4576
Fax: 414-766-1798
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E-mail: HASsupport@honeywell.com
URL: http://www.honeywellaccess.com

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