



DNA Fusion/ISONAS Integration Guide

(for RC-03, RC-04, and IP Bridge)





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The DNA Fusion™ Access Control and Security Management System uses equipment that generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this installation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference. In which case the user will be required to correct the interference at the user's expense.

The DNA Fusion™ Access Control and Security Management System shall be installed in accordance with this installation manual and in accordance with the National Electric Code (N.E.C), ANSI and NFPA 70 Regulations and recommendations.

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This manual has been written for DNA Fusion™ version 6.0 or higher

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In This Chapter

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Chapter Overview

This section is designed to introduce you to DNA Fusion™ and the ISONAS integration.

How This Section is Organized

This section contains information on the DNA installation and configuration of hardware:

Chapter 1, "Introduction," gives an overview of the integration.

Chapter 2, "Fusion/ISONAS Integration and Installation," covers the ISONAS software installation.

Chapter 3, "DNA Fusion Configuration," provides information on configuring the ISONAS hardware in the DNA Fusion application.

Chapter 4, "ISONAS in DNA Fusion," covers the various features available.

ICONS AND CONVENTIONS USED IN THIS MANUAL

This manual uses the following icons to help you find useful or important information easily:

	This icon highlights time-saving hints, helpful shortcuts, and advice that you'll find especially helpful.
①	This icon marks information that is important enough for you to keep it filed in an easily accessible portion of your gray matter.
•	If something you're doing could damage the system, end up costing big bucks, lock you out of the system, or otherwise bring an end to civilization as we know it, you'll find it highlighted with the icon.

In addition to these icons, this manual uses several other conventions that make the instructions easy to understand:

A Special Font: Text that look like this indicates a menu item, toolbar selection, button, or a message from the system.

Boldface: Boldface text, which usually appears in numbered steps, tells you about specific actions that you should take.

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DNA Fusion/ISONAS Overview

The ISONAS hardware utilizes network-based PowerNet[™] reader-controllers. The IP reader-controller delivers power via Power Over Ethernet. The ISONAS integration brings a number of user-friendly features including InfoReady reporting and ease of configuration within the DNA Fusion software.

The following ISONAS hardware can be added to DNA Fusion:

- RC-03
- RC-04
- IP Bridge

The ISONAS integration is supported by DNA Fusion version 6.5.1 or higher; however, not all DNA Fusion features are fully supported. The integration also requires the ISONAS integration driver. See page 4-7 for more information on supported features.



Configuration Steps

To configure the ISONAS reader-controllers within the DNA Fusion application, complete the following steps:

- 1. **Install** the reader-controllers.
- 2. **Run** the ISONAS Integration installation.
 - For information see page 2-1.
- Connect the ISONAS reader-controllers to the network.
 - See page 2-5 for information on adding the reader-controller.
- 4. **Configure** the ISONAS doors in DNA Fusion.
 - More information can be found on page 3-1.
- 5. **Add** or **modify** an Access Level(s).
 - More information on access levels can be found on page 3-7.

NOTES:		

In This Section

- **ISONAS** Integration Installation
- ISONAS Configuration in DNA Fusion

The ISONAS integration is supported by DNA Fusion version 6.5.1 or higher. The integration requires the proper licensing to be in place prior to the installation of the integration software.

The supported ISONAS hardware includes the two RC-03 PowerNet platforms, the various Pure IP RC-04 reader-controllers and the IP Bridge.

ISONAS Configuration

Before the ISONAS hardware can be integrated with DNA Fusion, the following key wiring tasks must be completed.

Installation and Wiring

1. **Install** and **supply power** to the ISONAS reader-controller unit.

This may be accomplished via Power over Ethernet (PoE) or through an external DC power source (12VDC or 24VDC).

Wire the door components to the ISONAS unit.

Readers, locks, and request to exit (REX) devices should be installed per the ISONAS Installation Manual.

For more information on installation and wiring, please see the ISONAS manual for the product being installed.

Run the DNAFusion ISONAS Integration.

See page 2-3 for more information.

DNAFusion Integration Installation

Once the ISONAS hardware has been installed and wired, the DNAFusion ISONAS Integration will need to be installed on the DNAFusion server. The ISONAS Integration installation process is very straightforward and can be performed without any knowledge of the software.

- **Obtain** the ISONAS Integration application from Open Options Technical Support.
- 2. **Verify** the DNA Fusion DNADrvr32 Service Permissions.

The DNA driver and the ISONAS driver need to run under the same identity. The account running the services will be used later in the installation process and should be noted for reference.

For more information on DNA Fusion services, see page 2-7 and reference the DNA Fusion Technical Manual. ₩ Setup - dnaFusion Isonas

Select Destination Location

Where should dnaFusion Isonas be installed?

C:\Program Files (x86)\dnaFusion Isonas

Setup will install dnaFusion Isonas into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

Run the DNA Fusion ISONAS Integration installation.

The Select Destination Location dialog appears.

The default location is C:\Program Files (x86)\dnaFusion Isonas (64-bit) or C:\Program Files\dnaFusion Isonas (32-bit).

Browse...

—⊕

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< <u>B</u>ack <u>N</u>ext > Cancel

 \oplus

Click the Next button to continue the installation or select the Browse button and specify a different location.

👺 Setup - dnaFusion Isona:

Startup Credentials

Specify the credentials to use for the service account

.\UserName Credential should be formatted as "DomainName\Userame" or for local accounts ".\Username" or "ComputerName\Username"

> Verify Verifying the creden

Cocal System account

This account:

Test successful

The Startup Credentials screen appears.

Enter the Service Account User Name and Password.

A local machine Administrative login information must be entered for the DNA Fusion ISONAS service to run. This informati will need to be obtained from the System User and must match the credentials running the DNA Driver and the NPowerDNA COM+ object. The information was obtained in step 1 on page 2-1.

See page 2-7 for more information on the Services account.

Click the Verify button.

Once successful, click the Next button.

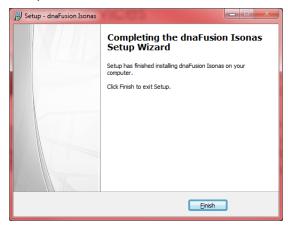
The Ready to Install screen will appear with a summary of the installation.



Click the Install button to start the installation process.

Installation will begin.

When the DNA ISONAS installation is complete, a dialog box will appear; press Finish to complete the setup.



The ISONAS driver icon will appear in the DNA Fusion Hardware Browser.



ISONAS Driver Status

The ISONAS driver status is reflected by the color of the diamond in the Hardware Browser. Below is a list of the various driver colors and states.

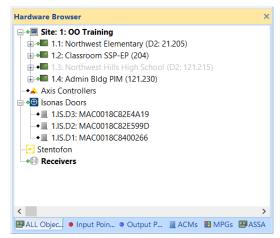
- Green The driver is running and all systems are functional. All is right in the world.
- ■ Black The driver is not running.
 - Verify the DNADrvr32 and ISONAS services are running under the correct identity.
- Yellow The driver is running but unable to open the connection used to communicate status to DNA.
 - ☐ The oo.Isonas.status queue cannot be opened by the DNA Driver. Verify that the Isonas Driver is configured to run under a local administrators' group account.
- •📵 Red The driver is running but unable to open the connection used to relay events to DNA.
 - ☐ The oo.dnafusion.event queue cannot be opened by the DNA Driver.
- Purple The driver is running but unable to open either the events or status connections to DNA.
 - Both the oo.Isonas.staus or oo.dnafusion.event queues cannot be opened by the DNA Driver.

ISONAS Configuration in DNA Fusion

Once the integration installation has been completed, connect the hardware to the network and configure the doors within the DNA Fusion software.

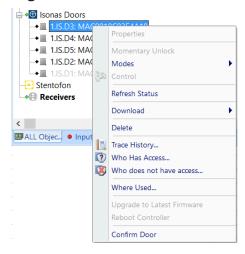
Connect the unit to the data network for communication with the DNA Fusion server.

When an ISONAS reader-controller is connected to the network, DNA will automatically add the device to the Hardware Browser. The service uses a UDP broadcast to connect to devices, and they appear in the Hardware Browser with the MAC Address as the description.



The devices will appear as gray doors until they are confirmed in DNA Fusion.

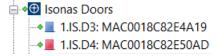
2. **Right-click** on the door and **select** Confirm Door from the drop-down menu.



A confirmation dialog will open.

3. Click OK to confirm the door.

The door state will change and the diamond color will change from black to green or red.



The color of the door in the Hardware Browser represents the door's current state. For more information on door properties, see page 3-3.

4. **Continue** to confirm the remaining ISONAS doors.

Once the door has been confirmed, the properties may be edited.

Configuring the IP Address

By default, the reader-controller will attempt to gain an IP address from the DHCP server. If the network does not have a DHCP server, the default IP address is 192.168.1.119.

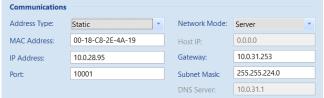
To set a static IP address:

1. **Right-click** on the ISONAS door and **select** Properties from the menu.

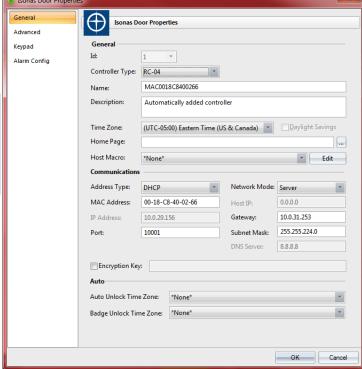
The ISONAS Door Properties dialog opens.

2. **Select** the Address Type drop-down in the Communications section and **select** the Static option.

The IP Address field can now be configured.



3. **Enter** the IP Address and **click** the OK button. If needed, **enter** the Subnet Mask and the Gateway information.



DNA Fusion Service Permissions

In order for the integration to function properly, the DNA Driver and COM+ objects, as well as the DNA User Group must be configured properly. This is imperative to the success of the integration.

COM+ Object

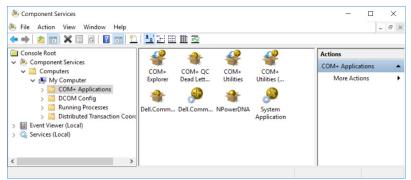
1. **Open** the Component Services menu on the server.

To access Component Services, **type** the name in the Windows Start Search Bar and **select** the Component Services option from the list.

The Component Services window opens.

- 2. **Double-click** the Computers item.
- 3. **Double-click** the My Computer icon and **open** the COM+ Applications folder.

The COM+ Objects dialog appears.



4. Right-click on the NPowerDNA object and select Properties.

The NPowerDNA Properties dialog opens.

5. **Select** the Identity tab, **verify** This user is selected and the User and Password fields are completed.

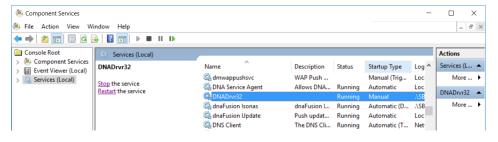
If the objects permissions have not been configured, **enter** a local machine Administrative login information and **click** the OK button.

The DNA Fusion ISONAS service will require the same information. This also applies to the DNA Driver (DNAdrvr32) service.

6. Click the OK button.

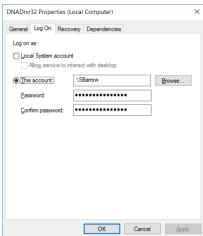
DNA Fusion Driver Service

- 1. From the Component Services dialog, **select** the Services option or **open** the Services window. The Services dialog will populate.
- 2. **Locate** the DNADrvr32 service.



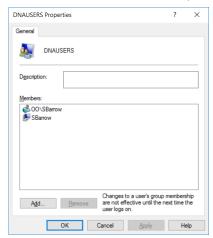
- Right-click on the DNADrvr32 service and select the Properties option.
 The DNADrvr32 Properties dialog will open.
- 4. **Select** the Log On tab and **verify** the user configuration.

Keep in mind this must be the same account used to run the NPowerDNA COM+ Object as well as the DNAFusion ISONAS service which is configured on page 2-3.



DNA Fusion User Group

- 1. Right-click on My Computer or This PC and select Manage from the menu.
 - The Computer Management dialog appears.
- 2. **Expand** the Local Users and Groups option.
- 3. **Select** the Groups folder and **right-click** on the DNAUSERS group.
- 4. **Select** Add to Group from the menu.
 - The DNAUSERS Properties dialog appears.
- 5. **Verify** the service account is listed in the dialog.
 - If the account is not listed, **click** the Add button and **enter** the account's information.



6. **Click** the OK button to save any changes and close the dialog.



It is important that the account running the DNA Driver and ISONAS Driver are in DNAUSERS group (or explicitly a local admin) to achieve communication via Microsoft Message Queues (MSMQ).

DNA Fusion Configuration

In This Section Adding the ISONAS Reader-Controller to DNA Fusion Configuring Doors Access Level Creation

Once the integration installation has been completed, connect the hardware to the network and configure the reader-controller within the DNA Fusion software.

Adding the ISONAS Reader-Controller to DNA Fusion

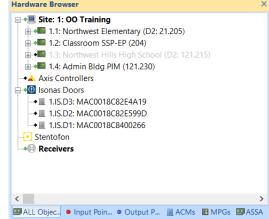
Once the devices are confirmed in DNA Fusion, the properties of the ISONAS door can be configured.

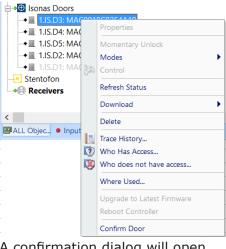
- With DNA open, **select** the Hardware Browser button on the toolbar. The Hardware Browser opens.
- **Connect** the unit to the data network for communication with the DNA Fusion server.

ISONAS reader-controller is connected to the network, DNA will automatically add the device to the Hardware Browser. The service uses a UDP broadcast service to connect to devices. They appear in the Hardware Browser with the MAC Address as the description. If an IP Bridge is discovered, it will add the 2 or 3 door unit.

The devices will appear as gray doors until they are confirmed in DNA Fusion.

Right-click on the door and select Confirm Door from the drop-down menu.





A confirmation dialog will open.

Click **OK** to confirm the door.

The door state will change and the diamond color will change from black to green or red.

⊨ • ⊕ Isonas Doors 1.IS.D3: MAC0018C82E4A19 1.IS.D4: MAC0018C82E50AD

The color of the door in the Hardware Browser represents the door's current state. For more information on door properties, see page 4-1.

Are you sure you want to confirm this door (MAC0018C82E4A19)

OK Cancel

5. **Continue** to confirm the remaining ISONAS doors.

Once the door has been confirmed, the properties may be edited.

Configuring the IP Address

By default, the reader-controller will attempt to gain an IP address from the DHCP server. If the network does not have a DHCP server, the default IP address is 192.168.1.119.

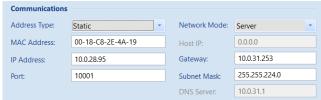
To set a static IP address:

1. **Right-click** on the ISONAS reader-controller and **select** Properties from the menu.

The ISONAS Door Properties dialog opens.

 Select the Address Type drop-down in the Communications section and select the Static option.

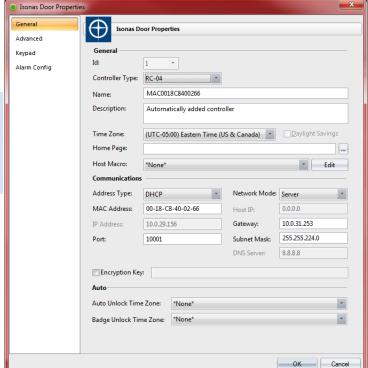
The IP Address field can now be configured.



3. Enter the IP Address and click the OK button.

If needed, enter the Subnet Mask and the Gateway information.

The Door Properties are covered on page 3-3.



Configuring the ISONAS Reader-Controller Doors

Once the reader-controller has been added to DNA Fusion and the device has been discovered by the driver, the door settings can be configured.

- 1. From the Hardware Browser, **right-click** on the ISONAS Door and **select** Properties from the menu. The ISONAS Door Properties dialog opens.
- 2. **Enter** a Name for the door and if desired, **edit** the Description.

The default name is the MAC Address of the device. This name will appear in the Events Grid as well as any references to the door. The Description is auto-populated when the device is auto-added.

Select the correct Time Zone from the dropdown list.

This selection will determine the time in for the reader-controller.

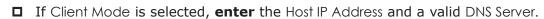
- 4. If needed, **click** the Browse button to select a Home Page.
- 5. If configured, **select** a Host Based Macro from the drop-down list or **click** the Edit button.

If the Edit option is selected, the Host Based Macro Editor will open. For more information on Host Based Macros, see Chapter 10 the DNA Fusion User Manual.

6. **Select** DHCP or Static from the Address Type drop-down.

If Static is selected, see page 3-2 for more information on setting a static address.

- 7. **Select** the Network Mode from the drop-down list.
 - Server Mode The driver will open the connection to the reader-controller.
 - Client Mode The device will open the connection to the driver. Client Mode is only available for RC-03, IPBR-2 and IPBR-3 model reader-controllers.





The IP reader controllers all come from the factory with port 10001 preset for all units except IPBridge. The port should only be changed under special cases. IPBridge units allow you specify a base port only. The second and third readers in the IPBridge will use the specified port +1 and +2 respectively.

9. If desired, **select** the Encryption Key checkbox and **enter** the desired 32 byte hex key.

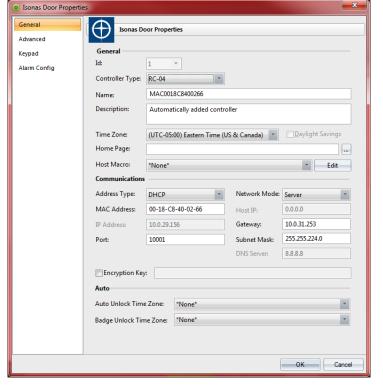
The format of this key is a character string (64 characters maximum), using the characters 0-9, A-F.

10. If needed, select a preconfigured Time Schedule from the Auto Unlock Time Zone drop-down.

If a Time Schedule is selected, the door will unlock when the time schedule becomes active and will return to the door's default mode upon deactivation of the time schedule. For more information on Time Schedules, see Chapter 5: Time and Holiday Schedules in the DNA Fusion User Manual.

11. If needed, select a preconfigured Time Schedule from the Badge Unlock Time Zone drop-down.

If a Time Schedule is selected, the door will unlock when the time schedule becomes active and a valid credential is presented. The door will return to the default mode upon deactivation of the time schedule. For more information on Time Schedules, see page 5-1 in the DNA Fusion User Manual.





NOTES:			

12. Select the Advanced tab.

The ISONAS Advanced Properties dialog opens.

13. **Select** the Card Format from the drop-down list.

To create new card formats, see page 3-53 in the DNA Technical Manual or page 8-75 in the DNA User Manual.

- 14. If needed, **select** the correct HID Mode from the drop down. The default mode is Disabled. There are two modes for HID badges:
 - Enabled The ISONAS reader uses all of the data that can be read from the card. It creates a unique 32 bit number that is used by the DNA Fusion system. This is a combination of the card number and the HID site/facility code.
 - Advanced The ISONAS reader uses a bit mask to select up to 32 bits from the card information. The bit mask is dependent on the Card Format. The bitmask can be configured to capture the HID Card number; this would make the ISONAS card number match the HID Card number. Alternatively, the HID Card number can be included in the selected bitmask. In this case the ISONAS card number will differ from the HID Card number.



- 15. If desired, uncheck the Beep on Access Granted and/or Beep on Access Denied options.
- 16. Configure the Strike Time (0-255).

The number of seconds the door will remain unlocked when a valid credential is presented.

17. If desired, **check** the Disable Strike on Tamper option.

If selected, the strike will be disabled when a tamper condition exists.

18. Check the Beep on REX and/or Activate TTL2 instead of granting access options if needed.

If the Activate ITL2 option is selected, the TTL2 will activate instead of the strike.

19. **Set** the Tamper Sensitivity if needed.

The default is Off (0). The tamper count should be left at zero (0) for ISONAS reader-controllers equipped with optical tamper sensors. The tamper sensitivity determines the number of sequential tamper indications before the alarm is created. Higher settings allow for compensation for highly sensitive tamper conditions such as a location with a lot of physical vibration.

20. If desired, **select** the Beep and/or Activate TTL1 options.

If the Activate ITL1 option is selected, TTL1 will activate if a Tamper alarm is detected.

21. Under the Lockdown section, **check** or **uncheck** the desired options.

When the door is placed in Lockdown mode, no badges will be accepted except those flagged as VIP. This mode is intended as an emergency state and requires manual intervention by an operator to revert the point to normal the state.

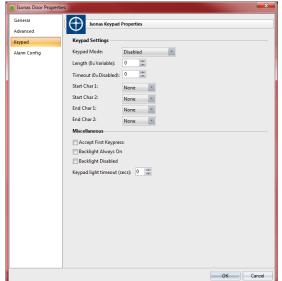
- Disable Access No access will be allowed when the unit is placed in Lockdown mode.
- Disable REX If selected, the REX device will be disabled.
- Disable AUX Input Disables the AUX input on the reader-controller and ignores any change of state.
- 22. Under the Forced/Held section, check Activate TTL2 if desired.

Once selected, the TTL2 output will be activated when the door is forced or held open.

- 23. **Select** the desired behavior of the Auxiliary Input when it changes state.
 - Disabled Default setting. The signal is ignored and the Auxiliary Input has no effect on other objects.
 - Activate TL1 Activates TTL1 when a change in state is detected on the Auxiliary Input.

- Activate TTL2 Activates TTL2 when the Auxiliary Input changes state.
- Grant Access When a change of state is detected, the reader-controller will unlock the door for the predefined Strike Time.
- 24. If needed, select the desired options under the Miscellaneous section.
 - Enable FIPS Date Check Enables an additional verification of the date on FIPS 201-1 cards.
 - Invert TTL Outputs Reverses the state of the outputs.
 - Enable Lock Isolator Activates the Code and EDK Code fields.
- 25. **Select** the Keypad option on the menu if a keypad will be used at the reader-controller.

The ISONAS Keypad Properties dialog opens.



- Select the appropriate Keypad Mode: Enabled with Beep or Enabled without Beep.
 - If Enabled with Beep is selected, the unit will beep on every key press.
- **Set** the Length of the number of digits (0 = Variable). If set, the length of the entry will be fixed.
- Set the Timeout setting. This setting determines the amount of time for the keypad entry. (0 = Disabled)
- Select the Start Character 1 and 2.
- Select the End Character 1 and 2.
- If desired, check the Accept First Keypress option.
- If desired, check the Backlight Always On or Backlight Disabled options.
- **Enter** the Keypad Light Timeout.
- 26. **Select** the Alarm Config tab to configure the Alarm Properties for the ISONAS door.

The Advanced Alarm Configuration dialog opens.

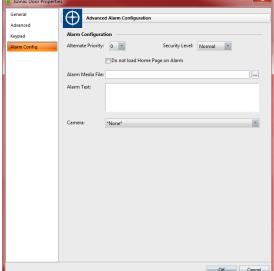
If desired, set the following options.

- Alternate Priority The selected Alarm Priority overrides the default Event specific priority set in DNA / Administrative / Events & Alarms / Logging. See page 14-23 in the User Manual for more information.
- Security Level Category designation. Allows administrator to restrict operator use in the Operator Profiles.
- Do Not Load Home Page on Alarm If associated door goes into alarm, the Home Page will not load.
- Alarm Media File Door specific alarm file to be displayed when an alarm occurs.
- Alarm Text Point specific alarm text to be displayed when an alarm occurs in addition to the alarm reason.
- Camera Camera associated with the door; allows it to be recalled in the Events Grid as well as in the Alarm Grid.
- 27. **Click** the OK button to add the door to the DNA Fusion system.

The door will appear in the Hardware Browser. If the door appears grayed out, it has not been confirmed.

To confirm the door, **right-click** on the door and **select** the Confirm Door option.

Doors must be confirmed before the ISONAS service will start to communicate with them.



isonas Doors

→ ■ 1.IS.D3: MAC0018C82E4A19

→ 1.IS.D2: MAC0018C82E599D → 1.IS.D1: MAC0018C8400266

Configuring Access Levels in DNA Fusion

An Access Level consists of an entry point (such as a ISONAS door) and an associated time schedule. When the access level is added to a card record, it determines where and when the cardholder has access within the system.

Access Levels can be added to individual cards or groups of cards in the system. Each card can be assigned 32 access levels per SSP controller in the system. This section shows you how to create and modify access levels.

For more information on access levels, see Chapter 6 in the DNA Fusion User Manual.

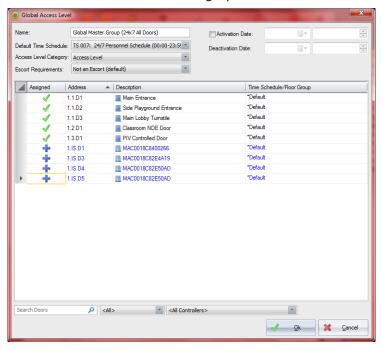
When using the ISONAS reader-controllers, Global Access Level Groups must be utilized.

Creating a Global Access Level Group

A Global Access Level Group provides an easy way for doors and elevators from multiple controllers to be grouped together in a common access level. This will allow a cardholder to have access to doors on multiple controllers with a single global access level group. See page 6-7 in the User Manual for more information.

1. With the Access Levels Browser open, **right-click** on Access Level Groups and **select** Add Global Access Level Group from the resulting menu.

The Global Access Level dialog opens.



- 2. **Enter** a Name for the global access level group.
- 3. **Select** the Assigned column for the desired ACMs (Doors & Elevators).
 - A 🍁 will appear in the Assigned column once the door(s) have been selected.

If the group has doors already assigned, a 💜 will appear in the Assigned column.

ISONAS doors appear with $\mathbb S$ in the address as well as an identifying icon $\boxed{\mathbb R}$.

- 4. From the Default Time Schedule drop down, select a Time Schedule for the Access Level.
- 5. Click OK to close the Global Access Level dialog.

The Global Access Level Group will appear in the browser and is ready for distribution to cardholders. Global Access Level Groups can be identified by the folder with the red access level icon.

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In This Chapter

√ Controlling the ISONAS Hardware

√ Generating Reports

DNA Fusion offers a number of different hardware features as well as the ability to generate "Who Has Access" reports on the fly.

The Hardware Browser

The Hardware Browser is an explorer window that consists of a hierarchical layout of the field devices that make up the system. The tree also displays the status of objects by using status indicators to the left of the tree object.

To open the Hardware Browser:

1. **Select** the Hardware icon from the Standard Toolbar.

Select View / Explorers / Hardware from the Main Menu.

The Hardware Browser will open.

2. **Expand** the ISONAS Doors header.

Driver Status Indicators:

- Green Diamond The ISONAS driver is running and all systems are good. Isonas Doors
- Black Diamond The ISONAS driver is not running. ◆⊕ Isonas Doors
- Yellow Diamond The ISONAS driver is running but the oo.Isonas.status queue can't be opened by the DNA Driver. Isonas Doors
- Red Diamond The ISONAS driver is running but the oo.dnafusion.event queue can't be opened by the DNA Driver. Isonas Doors
- Purple Diamond The Isonas driver is running but neither the oo.Isonas.staus or oo.dnafusion.event queues can be opened by the DNA Driver. Isonas Doors

Door Indicators:

- ◆■ Blue Door The door is currently in a normal state; i.e., closed.
- Red Door The door is currently in an alarm state; i.e., door held open or door forced open.
- Gray Door The door has not been confirmed or is offline.
- ◆■ Green Door The door is currently in an unlocked state.
- Yellow Door The door is currently in the locked state.



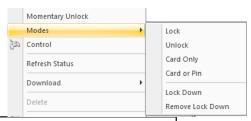
Hovering over a door will show you the status for the door in the form of a tooltip.

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Door Control Options

The easiest way to control a door is to right-click on the door and select the option from the Door menu.

- 1. **Right-click** on the desired door in the Hardware Browser.
- 2. **Select** the Modes option and **select** the correct Mode.



Lock	Locks the selected door. All attempts to change the mode will be logged as an error.
Unlock	Unlocks the selected point and allows unlimited access.
Card Only	Requires a card with the correct format be presented.
Card or PIN	The door requires either a card be presented or a PIN code entered to gain access.
Lock Down	The door will ignore all badges except those flagged as VIP.
Remove Lock Down	Returns the doors to the normal state.

The Door Options menu also includes a Momentary Unlock option.

Door Control Dialog

DNA allows the operator to directly perform various tasks on a selected door using the Door Control dialog. The dialog offers the following options:

- Change the Door Mode
- Issue a Momentary Unlock
- Schedule One Time Scheduled Commands

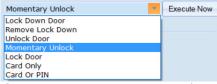
To open the Door Control dialog:

1. Right-click the door you wish to control and select Control from the context menu.

The Direct Control dialog will open.

- Door Address and description of selected door. (Read Only)
- Status Displays the status of the door (Read Only)
- 2. **Select** the appropriate option from the Set Door Mode to: dropdown and **click** the Execute Now button.

Allows the operator to set the reader mode. This setting determines the type of access the reader will allow. See the table above for more door mode information.



If Momentary Unlock is selected, the Unlock Door Method drop-down becomes active. **Select** the desired method and **click** the Execute Now button.



- Dialog \times **Isonas Door Control** Name: MAC0018C82E50AD Status: Locked Set Door Mode to: Lock Down Door Execute Now Unlock Door method: Default Strike Time ▼ **Schedule Command to Execute At** Description 8:12:00 PM 4/17/2017 View Scheduled Commands Close
- Default Strike Time Unlocks the door for the programmed strike time.
- Seconds Enter the time (in seconds) for the door to unlock.
- Time of Day Enter the time for the Momentary Unlock command to be executed.
- 3. **Click** the Close button or the X icon to close the dialog box.

X

Execute Now

Scheduling Commands

The Schedule Command to Execute At option allows the operator to schedule door control.

A single event with defined start and end times as well as door modes. This type of scheduled control is stored in the host and is initiated from the host at the time of the event. Consequentiality, the host computer must be on at the time of the event.

Dialog

Door

Name:

Status:

Isonas Door Control

Set Door Mode to:

Lock Down Door

1.IS.D5

Locked

MAC0018C82F50AD

Default Strike Time

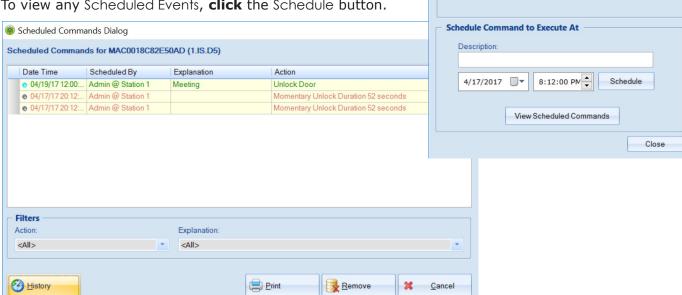
- From the Door Control dialog, select the Door Mode.
- 2. In the Schedule Command to Execute At section, enter a Description for the event.

This is a user-defined description for the action that will appear when the event is viewed in the future.

- Enter a Date and Time. 3.
- Click the Schedule button. 4.

A confirmation dialog will appear. **Click** OK to close the dialog. Keep in mind you may need to schedule multiple door mode events to return the door to a secured state.

To view any Scheduled Events, click the Schedule button.



If desired, click the History button to view previously scheduled events. Future events are displayed in green while events that have already occurred appear red.



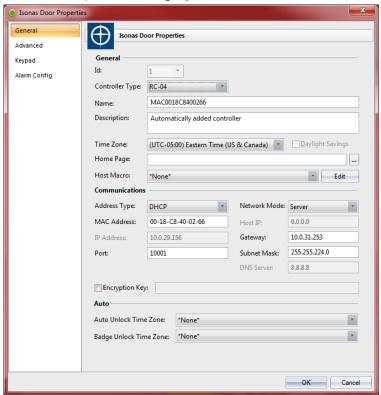
If a door mode is changed, it may require scheduling two (2) events in order to return the door to a secured mode.

Configuring a Door to Follow a Time Schedule

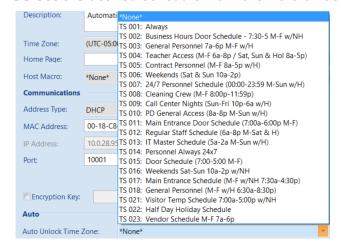
The Unlock Schedule option provides a quick way to configure a door(s) to adhere to a specified unlock time schedule. The time schedule must be created prior to the setting up the unlock feature. The ISONAS reader-controller is capable of storing 32 time schedules. The first 32 default time schedules programmed in the DNA Fusion system will be available for selection.

1. **Right-click** on the Door and **select** the Properties option.

The Door Properties dialog opens.



2. **Select** the desired schedule from the Auto Unlock Time Zone drop-down list.



Click OK to save the changes.



Time Schedule information can be found in the DNA User Manual in Chapter 5. Keep in mind the ISONAS unit is limited to 32 time schedules.

NOTES:		

ISONAS Door Features

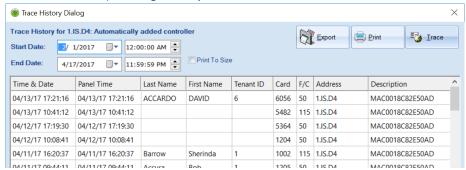
There are a number of features available for doors and elevators. For instance, you can see who has access to a specific door or trace the history for the selected ACM.

Trace History

A trace history report can be run on a reader-controller to view the last transactions.

1. **Right-click** on the ISONAS Door and **select** Trace History from the menu.

The Trace History Dialog will open.



2. If a wider time or date range is needed, enter the Start and End Date/Time and click the Trace button.

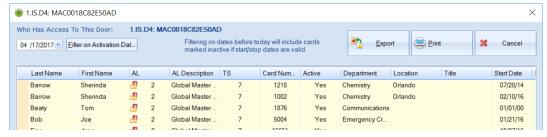
The results can be printed or e-mailed by selecting the appropriate button. Select the Print to Size checkbox to size the report so that all columns appear on the same page without forcing them to a new page.

Who Has Access

This feature allows you to generate an immediate report that details who has access to the selected ACM.

1. **Right-click** on the Door and **select** Who Has Access from the menu.

The Who Has Access dialog appears.



The results can be exported, printed or e-mailed by selecting the appropriate button.

Who Does Not Have Access

This feature allows you to generate an immediate report that details who does not have access to the selected ACM.

1. **Right-click** on the ACM and **select** Who Does Not Have Access.

The Who Does Not Have Access dialog appears.

The results can exported, printed or e-mailed by selecting the appropriate button.

Where Used

The Where Used feature provides a grid displaying the door's associated relationships (i.e. Triggers, Macros, Access Levels, etc.).

 Right-click on the ACM object and select Where Used.

The Where Used Report dialog opens.

The results can be exported to a CSV file or to the Clipboard.

NOTES:

ISONAS Reader-Controller Commands

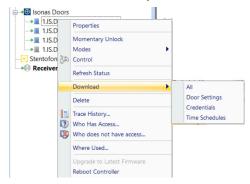
The ISONAS Reader-Controllers features provide access to download options, perform a soft reset, and update firmware.

To access the reader-controller commands menu:

1. Right click on the ISONAS door.

The ISONAS reader-controllers context menu will open.

2. **Select** the desired option from the menu.



Properties

Opens the Properties dialog for the selected ISONAS Door (Reader-Controller). See page 3-3 for detailed information about ISONAS Reader-Controller Properties.

Momentary Unlock

When selected, the door will unlock for the programmed strike time.

Modes

Opens the Door Mode drop-down. See page 4-3 for more information on door modes.

Control

When selected, the Door Control dialog will open. See page 4-3 for more information on the door control dialog.

Refresh Status

Updates the ISONAS reader-controller's status in the DNA Fusion Hardware Browser.

Download

It is imperative that changes be downloaded to the ISONAS reader-controller in order for them to be saved to the panel. It is recommended that an actual download be performed when large amounts of information or changes have been entered.

1. **Select** the appropriate Download option from the menu.

If desired, **select** the All option to download all categories.

- All Downloads all door properties, cardholder information, and time schedules (32 maximum).
- Door Settings Pushes the door properties to the ISONAS unit.
- Credentials All of the cardholder's credential information will be downloaded.
- Time Schedules Downloads the first 32 default time schedules.

Delete

Removes the selected ISONAS reader-controller. Caution should be used when selecting this option since all information will be deleted.



Extreme caution should be used before selecting the Delete option. Once an ISONAS reader-controller has been deleted, there is no way to undo the action, the controller will have to be re-added to the system.

Upgrade to Latest Firmware

Firmware plays the middleman between the software and hardware. The most recent firmware updates will result in the best possible results for your system.

Reboot Controller

Deletes the information in the controller's memory and then a full download reloads the controller with updated information. During the process, the controller will lose communication with DNA; depending on the amount of information being downloaded, this process could take a while.

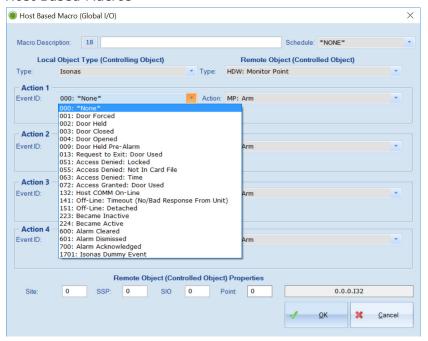
Firmware should be updated after any changes to the system, including the following:

- Installing a new system
- Upgrading to a new version of DNA Fusion
- Adding a new ISONAS reader-controller
- Replacing an existing ISONAS reader-controller
- Connecting to an ISONAS reader-controller for the first time

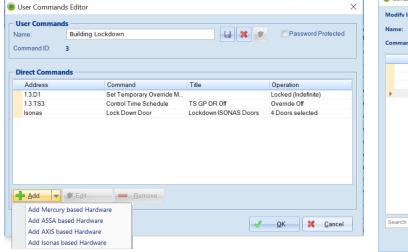
Supported Features

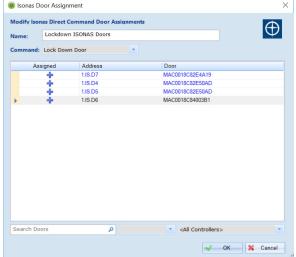
The following features are currently supported in a limited capacity.

Host Based Macros



Direct Commands





- Graphic Map Support
- Standard Crystal Reporting

Future Supported Features

The ISONAS platform is a new and developing solution. There will be some limited functionality in the following areas:

- Conventional Triggers and Macros
- Tenants, SSP Lists and Event Filtering
- API Support for the Mobile application and Web capabilities
- ACM Status Report
- View ISONAS doors on ACM tab
- ACM Sub Groups
- Operator Privilege Restrictions
- Multi Select/Edit
- Hardware Monitor Report

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