



## Symmetry Integration Module Settings Guide

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# 1 Introduction into Symmetry Module Settings Guide

## On this page:

- [Purpose of the document](#)
- [General information about the Symmetry integration module](#)

## 1.1 Purpose of the document

This *Symmetry Module Settings Guide* is a reference manual designed for *Symmetry* Module configuration technicians.

This Guide presents the following materials:

1. general information about the *Symmetry* integration module;
2. configuration of the *Symmetry* integration module;
3. working with the *Symmetry* integration module.

## 1.2 General information about the Symmetry integration module

The *Symmetry* module is a component of an ACS built on the *ACFA Intellect* Software System. It is designed to ensure the interaction between the *Amag Symmetry* ACS and *ACFA Intellect* Software System (monitoring, control).

### Note

Detailed information about the *Amag Symmetry* ACS is presented in the official documentation for this system (manufactured by AMAG Technology, inc.).

Before configuring the *Symmetry* integration module, do the following:

1. Install the *Amag Symmetry* hardware on the protected territory (for details, see the *Amag Symmetry* guide).
2. Connect the *Amag Symmetry* ACS hardware to the *Intellect* Server (for details, see the *Amag Symmetry* guide).

## 2 Supported hardware and licensing of the Symmetry integration module

<b>Manufacturer</b>	AMAG Technology, Inc. USA, 2205 W. 126th Street Unit B Hawthorne, CA 90250 Phone: 1-800-889-9138 <a href="https://www.amag.com">https://www.amag.com</a>
<b>Integration type</b>	SOFT-SOFT

### Supported equipment

Equipment	Function	Features
Symmetry Software	Symmetry Access Control Software	See the manufacturer's website

### Licensing

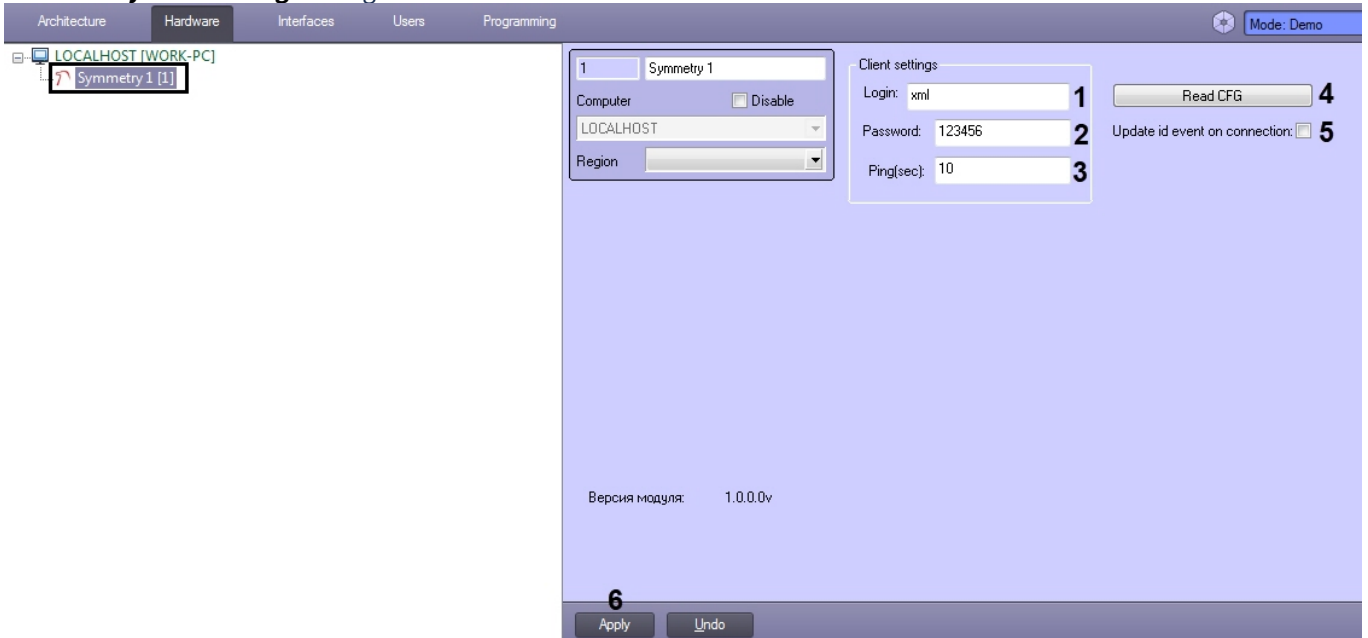
Per 1 reader.

## 3 Configuration of the Symmetry integration module

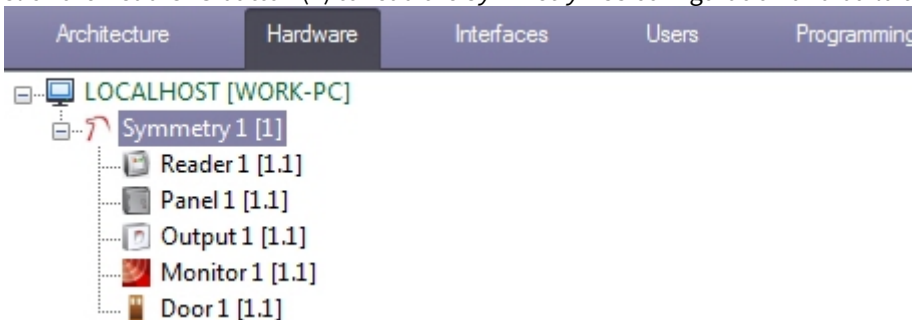
### 3.1 Configuring the Symmetry ACS connection

The *Symmetry* ACS connection is configured as follows:

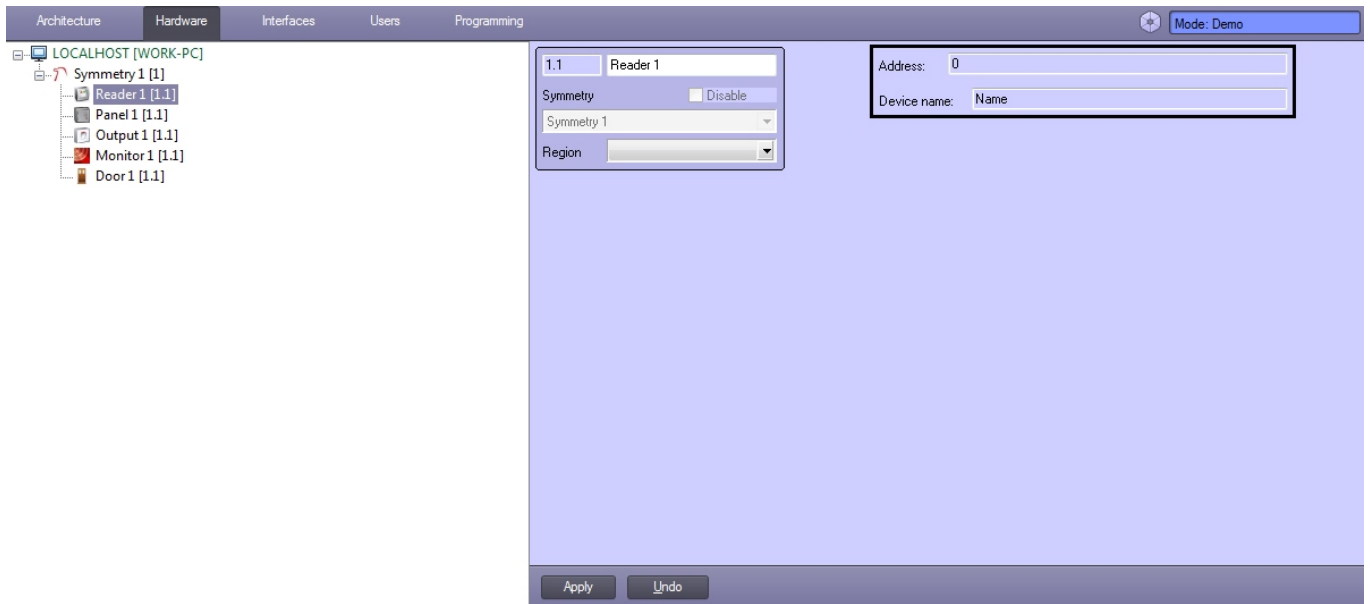
1. Go to the settings panel of the **Symmetry** object, which is created on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog window.



2. In the **Login** (1) and **Password** (2) fields, specify the login and password for connecting to the XML Open Integration module.
3. In the **Ping (sec)** field (3), specify the polling time of the XML Open Integration module in seconds.
4. Click the **Read CFG** button (4) to read the *Symmetry* ACS configuration and build the corresponding object tree.



The settings panel for automatically created objects will display the object address and device name in the *Symmetry* software.



5. Set the **Update id event on connection** checkbox (5) if it is necessary to update the event identifiers on connection.
6. Click **Apply** (6) to save the changes.

The *Symmetry* ACS connection is now configured.

## 4 Working with the Symmetry integration module

### 4.1 General information about working with the Symmetry module

The following interface objects are used for *Symmetry* integration module operation:

1. **Map;**
2. **Event viewer.**

For detailed description of configuring these interface objects, please refer to the [Intellect PSIM Administrator's Guide](#).

For detailed description of using these interface objects, please refer to the [Intellect PSIM Operator's Guide](#).

### 4.2 Managing the Symmetry Output




The *Symmetry* Output is managed in the **Map** interactive window using the **Output** object functional menu:





The *Symmetry* Output object functional menu commands description is given in the table.

Output On	Enable the output
Clear all	Clear all alarms
Output Pulse	Enable the impulse
Process alarm	Confirm the alarm
Resync Output Status	Synchronize the output status
Output Off	Disable the output
Menu command	Function performed

The *Symmetry* Output object can have the following states:

	Alarm
	Arm
	Secure Access or Output Off

	Free Access or Output On
	Grant Access or Output Pulse

### 4.3 Managing the Symmetry Door







The *Symmetry*Door is managed in the **Map** interactive window using the **Door** object functional menu:



<b>Door 1 [1.1]</b>
Arm
Show last events
Disable All Door Alarms
Enable All Door Alarms
Clear lite all
Process alarm

The *Symmetry*Door object functional menu commands description is given in the table.

Disable All Door Alarms	Disable all alarms
Enable All Door Alarms	Enable all alarms
Clear lite all	Clear alarms
Process alarm	Confirm the alarm
Menu command	Function performed

The *Symmetry*Door object can have the following states:

	Alarm
	Arm
	Open
	Locked
	Closed
	Cable fault Open

	Cable fault Short
	Unlocked

## 4.4 Managing the Symmetry Monitor






The *Symmetry* Monitor is managed in the **Map** interactive window using the **Monitor** object functional menu:

















<b>Monitor 1 [1.1]</b>
Arm
Show last events
Temporary Disable
Disable Monitor Point
Clear all
Process alarm
Enable Monitor Point
Return To Schedule
















The *Symmetry* Monitor object functional menu commands description is given in the table.

Temporary Disable	Temporary disable
Disable Monitor Point	Disable the monitor point
Clear all	Clear all alarms
Process alarm	Confirm the alarm
Enable Monitor Point	Enable the monitor point
Return To Schedule	Return to the schedule
Menu command	Function performed

The *Symmetry* Monitor object can have the following states:

	(M4000) Monitor Point Logic 1
	(M4000) Monitor Point Logic 2
	(M4000) Monitor Point Logic 3
	(M4000) Monitor Point Gnd Short
	(M4000) Monitor Pnt Break A to Gnd

	(M4000) Monitor Pnt Break B to Gnd
	(M4000) Monitor Point Break
	(M4000) Monitor Point Short
	(M4000) Monitor Point A to Gnd
	(M4000) Monitor Point B to Gnd
	(M4000) Monitor Point Leak
	(M4000) Monitor Point Active
	(M4000) Monitor Pnt F-back Active
	(M4000) Monitor Pnt F-back Inactive
	(M4000) Leak A to Gnd
	(M4000) Leak B to Gnd
	(M4000) Unknown State
	(M4000) Monitor Point Tamper Alarm
	Monitor Point Circuit Open
	Monitor Point Circuit Shorted
	Monitor Point In Alarm

	Monitor Point Tamper Alarm
	Alarm
	Arm
	Alarm
	Normal
	Cable Fault Open
	Cable Fault Short
	Disabled
	Normal or Alarm
	Cable Fault Open
	Tamper Point in Alarm
	Enabled
	Cable Fault Short
	Cable Fault Open
	Tamper Alarm or Tamper




## 4.5 Managing the Symmetry Panel









The *Symmetry* Panel is managed in the **Map** interactive window using the **Panel** object functional menu:

<b>Panel 1 [1.1]</b>	
Arm	
Show last events	
Reset System Fault	
Disable	
Enable	
Bypass	
Lock Out Node	
Silence Alarm	
Arm Area	
Disarm Area	
Unset Service Mode	
Set Service Mode	
Disarm Zone Group	
Arm Zone Group	
Resync Status	
Set Clock	
Cancel Autoarm	
Delay Auto Arm	
Reset Detector Fault/Alarm	
Reset Area To Normal	
Clear all	
Process alarm	
Part Arm B	
Part Arm A	
Resync Zone Status	
Resync Zone Group Status	
Resync Area Status	
Start Pre-arm Timer	
Reset Zone Bypass	
Clear Alarm	
Disarm Zone	
Arm Zone	
Stop Pre-arm Timer	

For details on the *Symmetry* Panel commands, see the official documentation for the system.

The *Symmetry* Panel object can have the following states:

	(M4000) Node Enclosure Tamper
	(M4000) Node Fire Alarm Input
	(M4000) Timed Out

	(M4000) AC Power Fail
	(M4000) Battery Fail
	Node Time Codes > 95% Full
	No Alarms being sent
	AC Power Fail
	Node Tamper
	Alarm
	Arm

## 4.6 Managing the Symmetry Reader

The *SymmetryReader* is managed in the **Map** interactive window using the **Reader** object functional menu:

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**Reader 1 [1.1]**

*Arm*

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Show last events

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User Code Only  
 Message Code  
 Cust. Code Only  
 Unlock Door  
 Door Prop On  
 Card+PIN  
 Card Command Mode Off  
 2 person access  
 Keycard Mode On  
 Card+PIN  
 Card Activity - All  
 Cancel 2 person access  
 Toggle Mode Off  
 Door Prop Off  
 Card Only  
 Set All Cards To Neutral  
 Card Activity - None  
 PC Door Control Off  
 Set All Cards To Specific APB Zone  
 Global Lock Down  
 Activate Toggle Mode  
 PIN Only  
 Re-enable Stopped Cards  
 Deactivate Toggle Mode  
 Office Mode Off  
 Card Activity - Invalid  
 Card Command Mode On  
 Card Or PIN  
 Lock Door  
 Clear all  
 Office Mode On  
 PC Door Control On  
 Two Fingerprints Mode  
 Process alarm  
 Toggle Mode On  
 User Code + PIN  
 User Code Disable  
 Single Fingerprint Mode  
 S600 Alarm LED Flash  
 Keycard Out  
 Random Search On  
 Keycard Mode Off  
 Cust. Code Only-No Store  
 Remove IDS Block  
 Disable Push Button

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Card Activity - All  
 Cancel 2 person access  
 Toggle Mode Off  
 Door Prop Off  
 Card Only  
 Set All Cards To Neutral  
 Card Activity - None  
 PC Door Control Off  
 Set All Cards To Specific APB Zone  
 Global Lock Down  
 Activate Toggle Mode  
 PIN Only  
 Re-enable Stopped Cards  
 Deactivate Toggle Mode  
 Office Mode Off  
 Card Activity - Invalid  
 Card Command Mode On  
 Card Or PIN  
 Lock Door  
 Clear all  
 Office Mode On  
 PC Door Control On  
 Two Fingerprints Mode  
 Process alarm  
 Toggle Mode On  
 User Code + PIN  
 User Code Disable  
 Single Fingerprint Mode  
 S600 Alarm LED Flash  
 Keycard Out  
 Random Search On  
 Keycard Mode Off  
 Cust. Code Only-No Store  
 Remove IDS Block  
 Disable Push Button  
 Disable Reader  
 Free Access  
 Keycard In  
 Secure Access  
 Disable Fingerprint Mode  
 Grant Access  
 Enable Push Button  
 Enable Reader  
 Random Search Off  
 Cust. Code Only  
 Cust. Code Only-No Store  
 Secure Access  
 Free Access

















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For details on the *Symmetry* Reader commands, see the official documentation for the system.

The *Symmetry* Reader object can have the following states:

	(M4000) Door Forced
	(M4000) Door Held
	(M4000) Door Lock Jammed
	(M4000) Door Lock Held
	(M4000) Reader Tamper
	(M4000) Exit Button Tamper
	(M4000) Door Lock Impeded
	(M4000) Door Entry Lock Impeded
	(M4000) Door Entry Lock Jammed
	(M4000) Door Exit Lock Impeded
	(M4000) Door Exit Lock Jammed
	(M4000) Reader Comms Tamper
	Door Forced
	Door Insecure
	Door Held Open

	Entry Timer Expired
	Exit Button In Alarm
	Exit Button Circuit Normal
	Exit Button Circuit Open
	Exit Button Circuit Shorted
	Lock Monitor Open
	Door Open With Tamper
	Exit Open With Tamper
	Door Open
	Door Monitor Circuit Open
	Door Monitor Circuit Normal
	Door Monitor Circuit Shorted
	Reader Tamper
	Alarm
	Arm
	Door forced

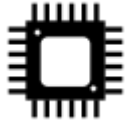
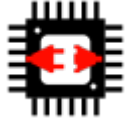
	Open
	Locked
	Closed
	Cable Fault Open
	Cable Fault Short
	Unlocked
	Card Command On
	Card Command Off
	Disabled
	Enabled
	Fingerprint off
	Single fingerprint
	Two fingerprints
	Keycard Off
	Keycard On - In
	Keycard On - Out

	Card Only
	No Reader
	Card + Pin
	PC Door Control Off
	PC Door Control On
	Random Search On
	Customer Code - Stored
	Customer Code - No Store
	User Code On - Code Only
	User Code Off
	User Code On - Code + PIN

## 4.7 Managing the Symmetry head object

The *Symmetry* head object is not managed in the **Map** interactive window.

The *Symmetry* head object can have the following states:

	Connected
	Disconnected