



Symmetry Integration Module Settings Guide

ACFA PSIM 1.0

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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 PSIM* Software System. It is designed to ensure the interaction between the *Amag Symmetry* ACS and *ACFA PSIM* 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 *Axxon PSIM* Server (for details, see the *Amag Symmetry* guide).

2 Supported hardware and licensing of the Symmetry integration module

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

Supported equipment

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

Licensing

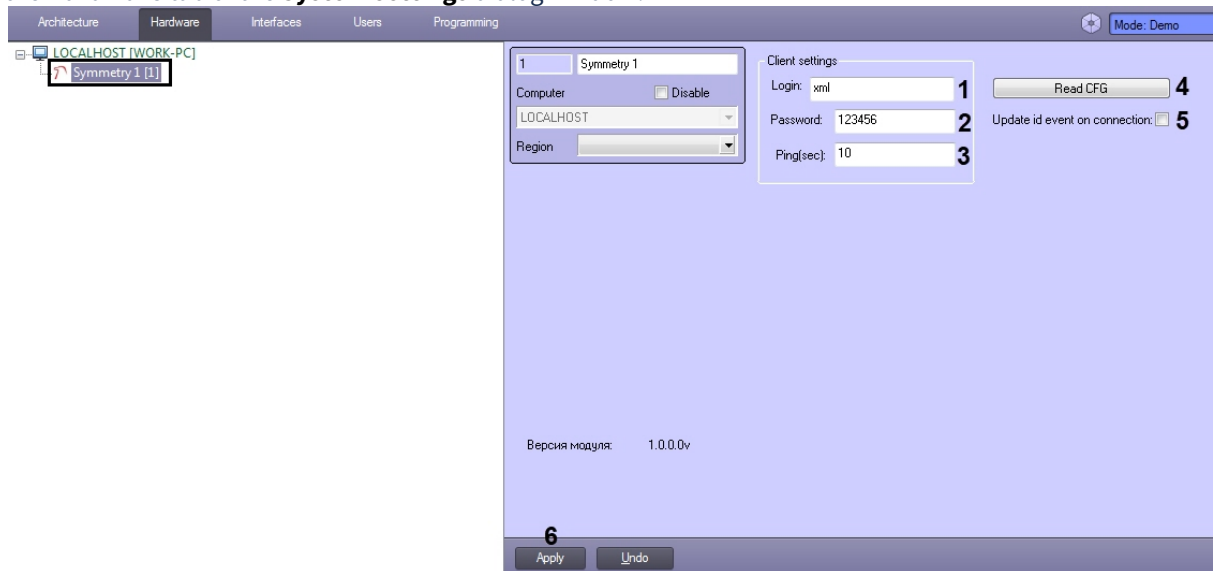
Per 1 reader.

3 Configuration of the Symmetry integration module

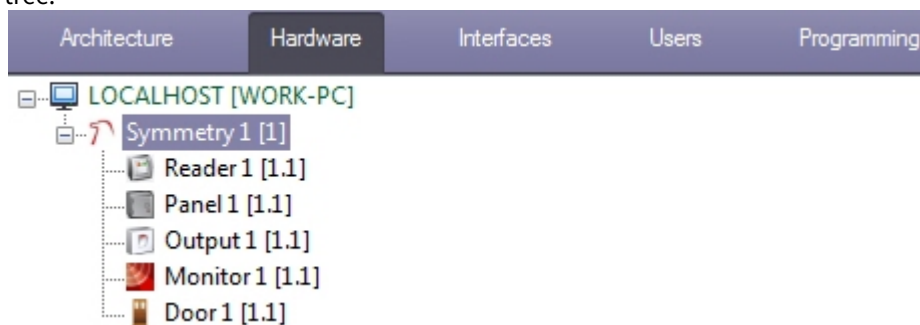
3.1 Configuring the Symmetry ACS connection

The *Symmetry* ACS connection is configured as follows:

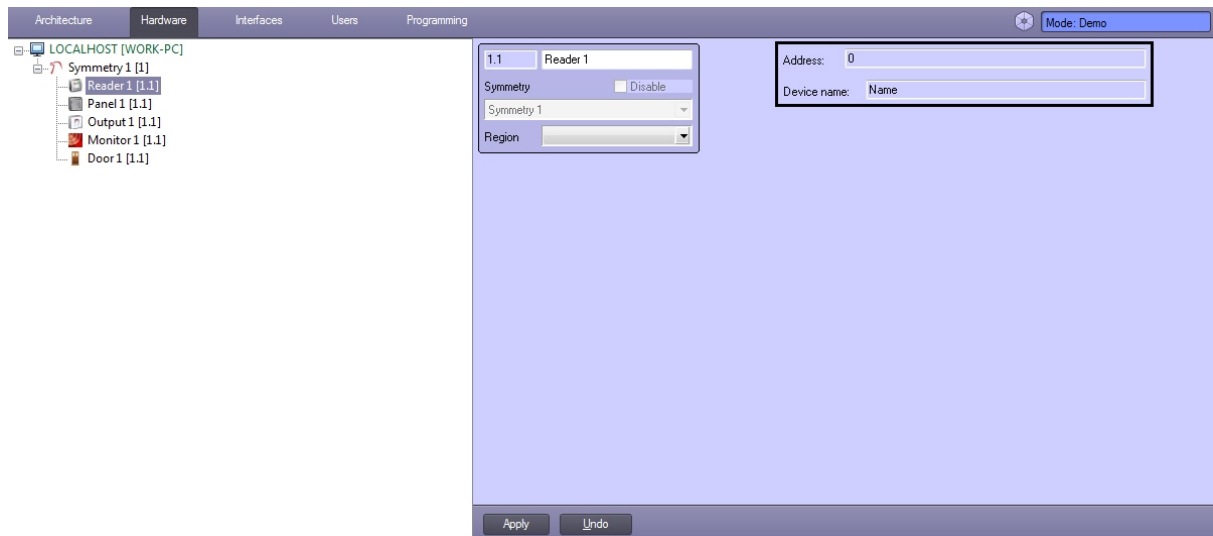
1. Go to the settings panel of the **Symmetry** object, which is created on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog window.



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:

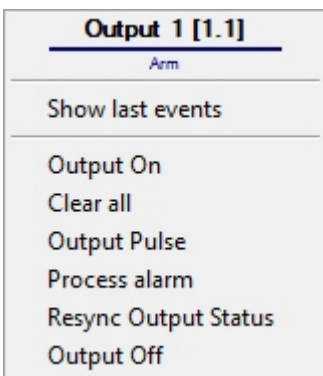
1. **Map.**
2. **Event viewer.**

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

For detailed description of using these interface objects, please refer to the [Axxon 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.

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:



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

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:













Monitor 1 [1.1]
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.

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:

Panel 1 [1.1]	
<i>Arm</i>	
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 *Symmetry* Reader is managed in the **Map** interactive window using the **Reader** object functional menu:

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Reader 1 [1.1]

Arm

Show last events

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

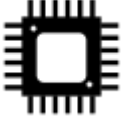
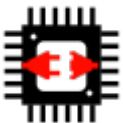
	Fingerprint off
	Single fingerprint
	Two fingerprints
	Keycard Off
	Keycard On - In
	Keycard On - Out
	Card Only
	No Reader
	Card + Pin
	PC Door Control Off
	PC Door Control On
	Random Search On
	Customer Code - Stored
	Customer Code - No Store

	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