ACFA Intellect

Symmetry Integration Module Settings Guide

Last update 07/10/2022

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1 Introduction into Symmetry Module Settings Guide

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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

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

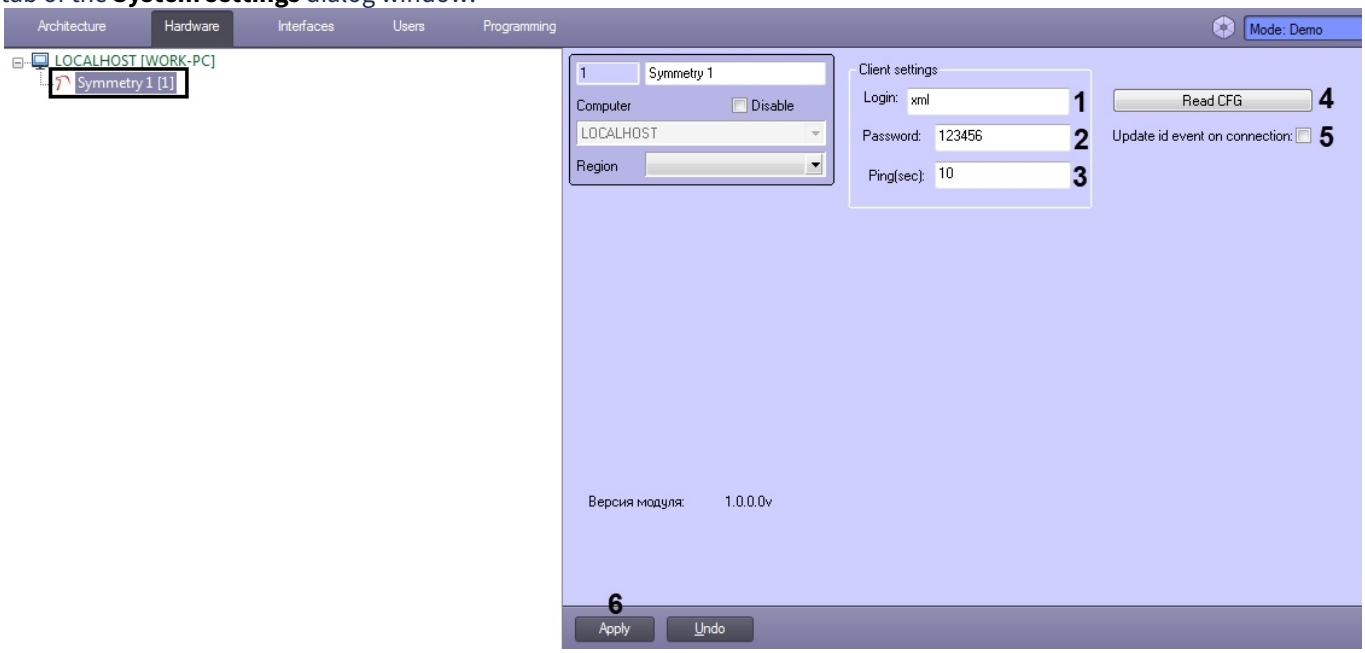
Per 1 reader.

3 Configuration of the Symmetry integration module

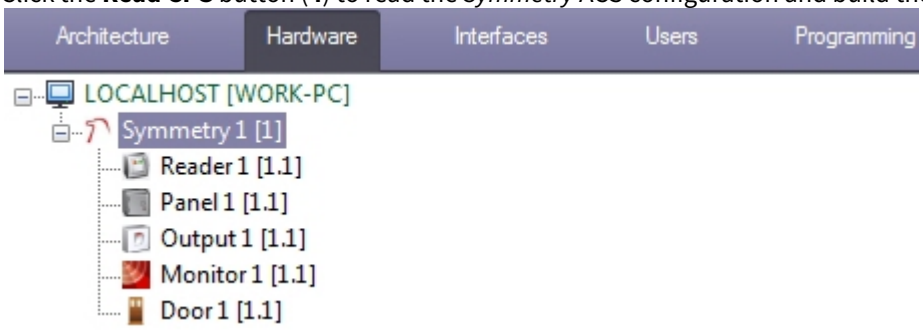
3.1 Configuring the Symmetry ACS connection

The *Symmetry* ACS connection is configured as follows:

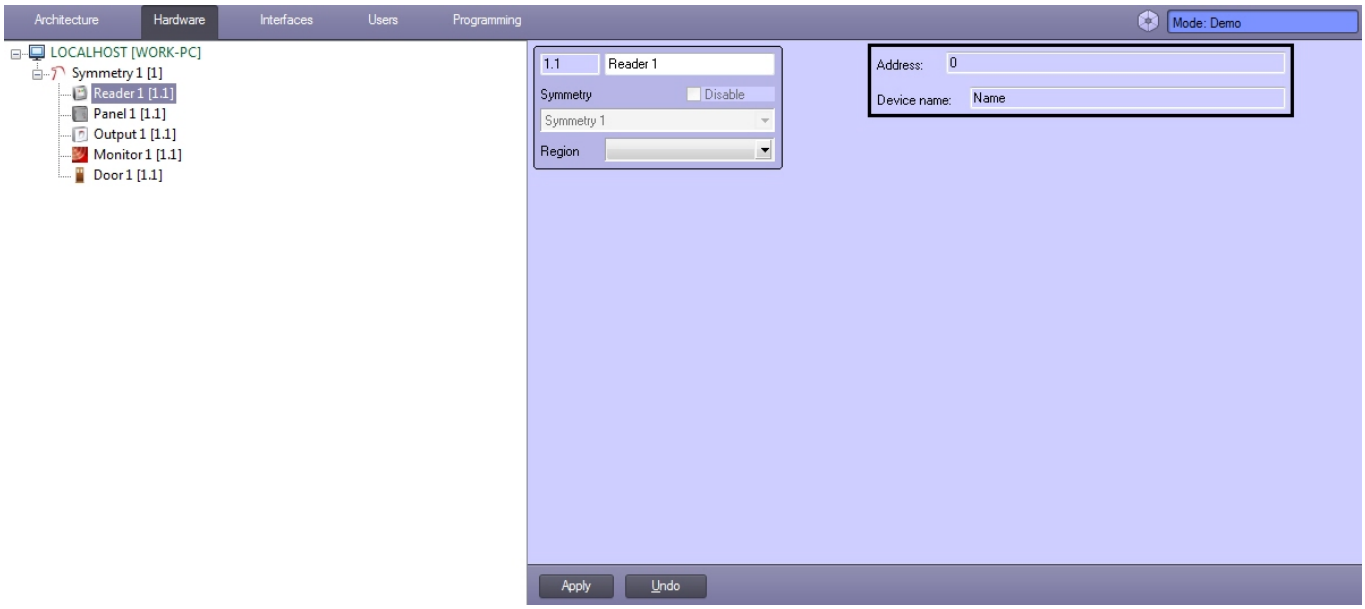
1. Go to the settings panel of the **Symmetry** object, which is created on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog window.



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:

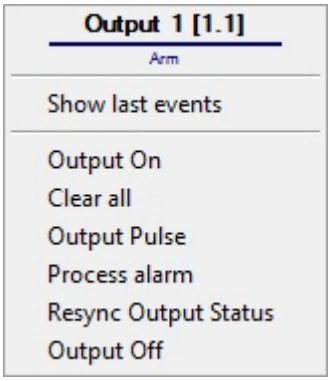
1. **Map**.
2. **Event viewer**.

For detailed description of configuring these interface objects, please refer to the Intellect Administrator's Guide.

For detailed description of using these interface objects, please refer to the Intellect 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:

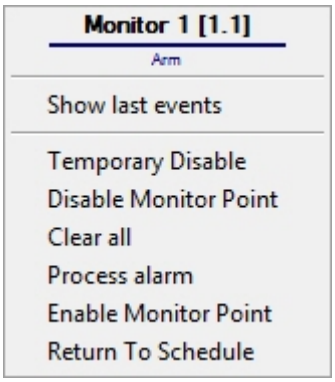
The *Symmetry* Door object functional menu commands description is given in the table.

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:



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:

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

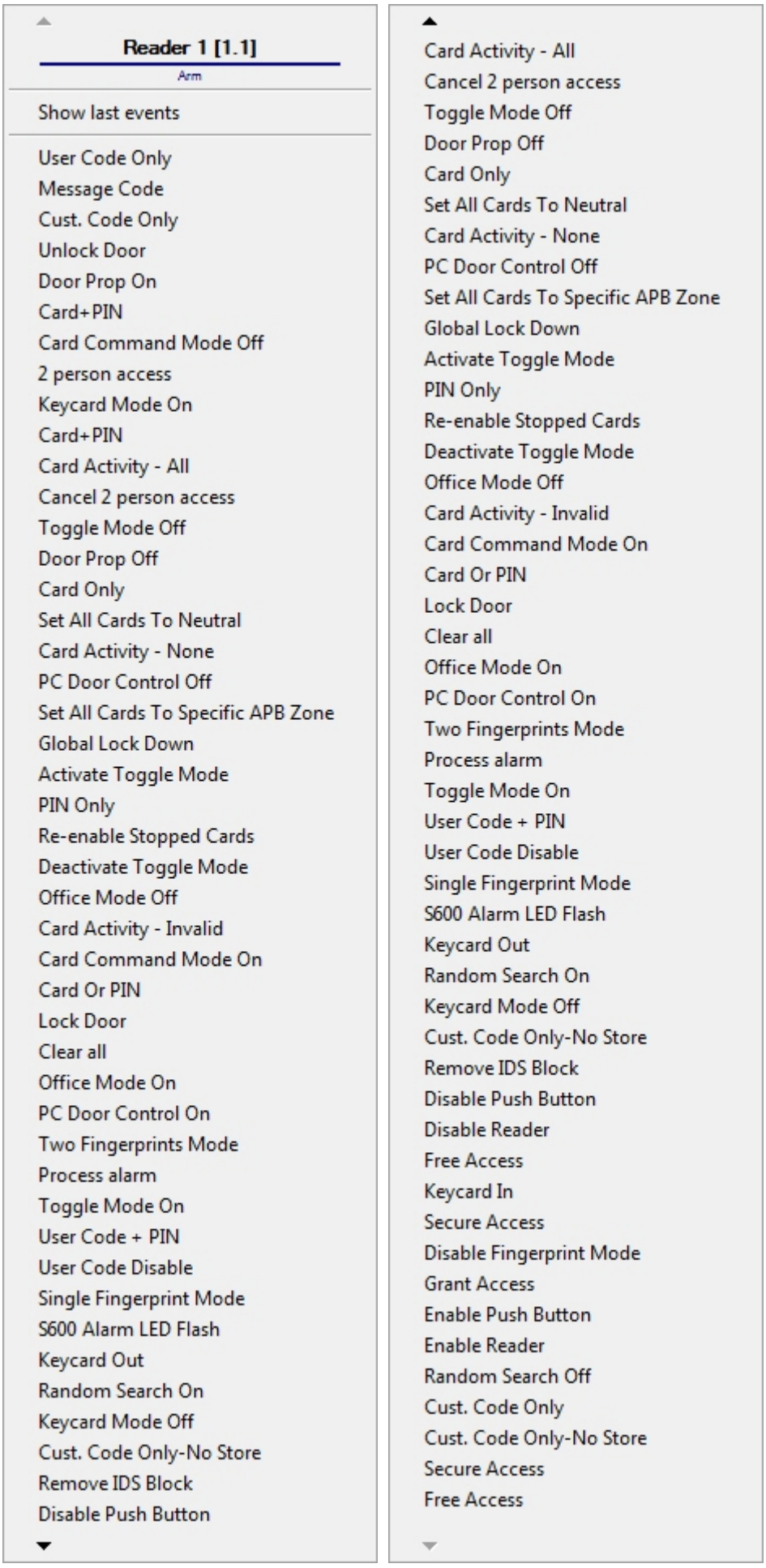
The *Symmetry* Panel object can have the following states:

	(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:


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
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

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

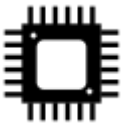
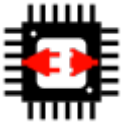
	Arm
	Door forced
	Open
	Locked
	Closed
	Cable Fault Open
	Cable Fault Short
	Unlocked
	Card Command On
	Card Command Off
	Disabled
	Enabled
	Fingerprint off
	Single fingerprint
	Two fingerprints

	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