

How to configure Iskraemeco AM550 meter in Iskraemeco SEP2W or Iskraemeco Symbiot

Configure the Iskraemeco AM550 meter in the Iskraemeco SEP2W or Symbiot tool so that it sends the Reduxi standard telegram.



🔧 Iskraemeco AM550

🔧 Iskraemeco SEP2W or Symbiot tool

🔧 DLMS push on I1/P1

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1 Basic structure and tool

1.1 Use the Reduxi standard telegram structure

Configure the Iskraemeco AM550 meter according to the **Reduxi standard telegram structure for DLMS push on I1/P1 interface**. Make the configuration with the parameters in the following sections.

Reduxi needs only one telegram with the data defined in the **Reduxi standard telegram structure for DLMS push on I1/P1 interface**.



Note

Interval 1 in the picture of Point 2.1 does not include all the data defined in the **Reduxi standard telegram structure for DLMS push on I1/P1 interface**. Follow the standard telegram structure.

1.2 Configure the meter in the Iskraemeco tool

Make the configuration in the Iskraemeco SEP2W or Iskraemeco Symbiot tool. The next sections follow the settings in the tool, one after another.

2 Push settings for Interval 1

2.1 Push action scheduler: Interval 1

Set the **Push action scheduler** for Interval 1 as shown in the screenshot.

Push action scheduler - Interval 1
Logical name: 0-1:15.0.4*255, Class ID: Single action schedule (22), Version: 0

☐ Executed script Access mode: Read and write

Logical name

Selector

☐ Type Access mode: Read and write

5 - size of execution time = n; time values may be different, wildcards in date are allowed

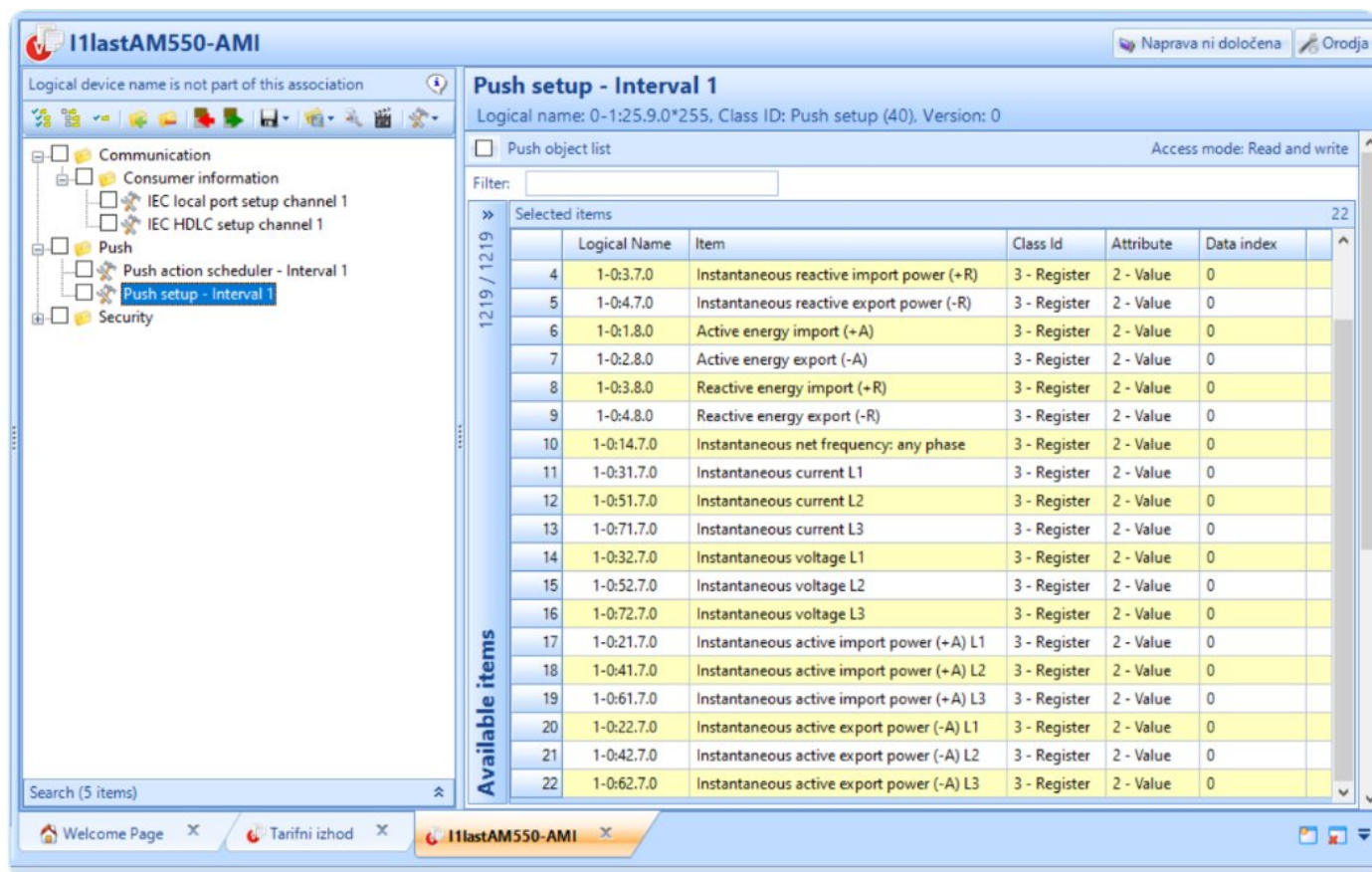
☐ Execution time Access mode: Read and write

	Time	Date	
	Every second	Every day	
*			

Push action scheduler: Interval 1

2.2 Push setup: Interval 1

Set the **Push setup** for Interval 1 as shown in the screenshot.

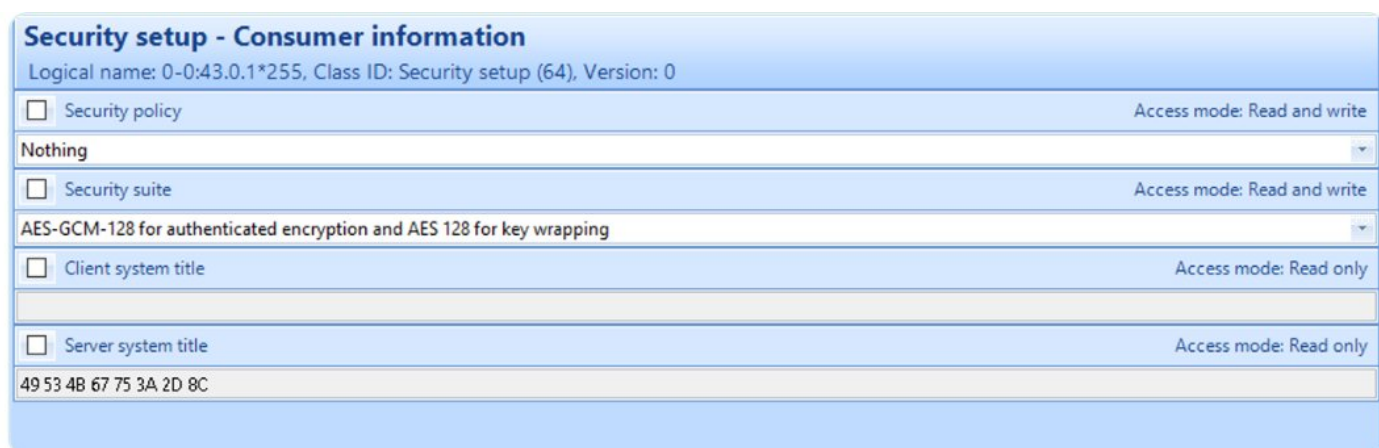


Push setup: Interval 1

3 Consumer information

3.1 Security setup: Consumer information

Set the **Security setup** for Consumer information as shown in the screenshot.



Security setup: Consumer information

3.2 Push action scheduler: Consumer information

Set the **Push action scheduler** for Consumer information as shown in the screenshot.

Logical device name is not part of this association

Push action scheduler - Consumer information
 Logical name: 0-4:15:0.4*255, Class ID: Single action schedule (22), Version: 0

☐ Executed script Access mode: Read and write

Logical name: 0.0.10.0.108.255

Selector: 8

☐ Type Access mode: Read and write

5 - size of execution time = n; time values may be different, wildcards in date are allowed

☐ Execution time Access mode: Read and write

Time	Date
Every second	Every day
*	

Push action scheduler: Consumer information

4 IEC settings for channel 1

4.1 IEC local port setup: channel 1

Set the **IEC local port setup** for channel 1 as shown in the screenshot.

IEC local port setup channel 1
 Logical name: 0-1:20:0.0*255, Class ID: IEC local port setup (19), Version: 1

☐ Communication mode Access mode: Read and write

1 - Protocol according to IEC 62056-46 (DLMS UA)

☐ Default baud rate Access mode: Read and write

38400

☐ Proposed baud rate Access mode: Read and write

38400

☐ Response time Access mode: Read and write

1 - 200ms

☐ Device address Access mode: Read and write

00000000

☐ Settings password Access mode: Write only

☐ Parametrisation password Access mode: Write only

☐ W5 password Access mode: Write only

IEC local port setup: channel 1

4.2 IEC HDLC setup: channel 1

Set the **IEC HDLC setup** for channel 1 as shown in the screenshot.

IEC HDLC setup channel 1

Logical name: 0-1:22.0.0*255, Class ID: IEC HDLC setup class (23), Version: 1

☐ Communication speed	Access mode: Read and write
38400	
☐ Window size transmit	Access mode: Read and write
1	
☐ Window size receive	Access mode: Read and write
1	
☐ Max info field length transmit	Access mode: Read and write
154	
☐ Max info field length receive	Access mode: Read and write
154	
☐ Inter octet time out	Access mode: Read and write
50	
☐ Inactivity time out	Access mode: Read and write
120	
☐ Device address	Access mode: Read and write
17	

IEC HDLC setup: channel 1

✓ Summary

Basic structure (Point 1): Use the Reduxi standard telegram structure. Reduxi needs only one telegram. Configure the meter in the Iskraemeco SEP2W or Symbiot tool.

Interval 1 (Point 2): Set the push action scheduler and the push setup for Interval 1.

Consumer information (Point 3): Set the security setup and the push action scheduler for Consumer information.

IEC settings (Point 4): Set the IEC local port setup and the IEC HDLC setup for channel 1.

→ Common issues

ISSUE	SOLUTION
The meter data does not match the Reduxi telegram	Check that the meter sends one telegram with the data of the Reduxi standard telegram structure (Point 1). The Interval 1 picture does not show all data.
The push settings are not accepted	Check the settings in Points 2 to 4 against the screenshots, one by one.

Related articles

Matching guides from the Reduxi knowledge base:



Reduxi standard telegram structure for DLMS push on I1/P1 interface

Data structure of the telegram that the meter sends to the Reduxi Controller.



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



List of supported devices

All devices that work with the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained