

## MiCOM S1 Studio V4.0.1 Release note #5

### 1. Release V4.0.1

This release provides a full installation of Schneider-Electric MiCOM S1 Studio V4.0.1.

- It supersedes version V3.5.2.
- It installs parallel to all other previous versions of MiCOM S1 Studio.

### 2. How to install

This installation

- is to be downloaded to your hard disk for later installation by running the .exe file
- is providing an installation shield for a most convenient upgrade of your MiCOM S1 Studio
- retains all existing systems (or projects)
- moves all installed data models to AllUsers location
- can be run multiple times



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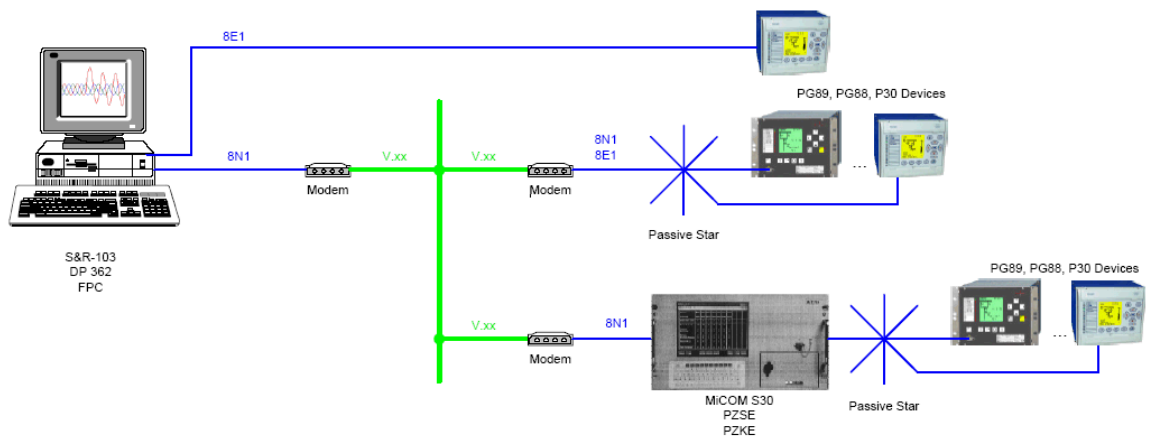
### 3. New features

Schneider-Electric MiCOM S1 Studio V4.0.1 provides the following enhancements to MiCOM S1 Studio V3.5.2:

#### A. *Modem communication*

- Allow communication to SE relays through common PSTN or leased line network.

Configuration of Communication Lines



#### B. *Windows 7 qualification (32 bits)*

- Qualification over Windows 7 32 bits environment is targeted as a first step. Following modules are qualified under this environment such as:
  - UPTC module shall be included
  - Monitoring module shall be included
  - Wavewin
  - EVIEW
  - BTC

Note : Windows 7 64 bits is planed for 2014.

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### **C. Rebranding installation procedure**

- Schneider Electric branding rules has been added to the installation process.

### **D. HTTPS DM Site and downloading capability**

- MiCOM's Data models are now placed over HTTPS server (ftp is still maintained). HTTPS will provide a secured communication for access and downloading capabilities.
- Customers with IT policies requiring certificats shall now use this link to download data models.
- Download rate has been improved on this new server.

### **IMPORTANT NOTICE:**

**Company IT deparment need to made trusted our HTTPS server ([sdmm.schneider-electric.com](https://sdmm.schneider-electric.com)) to make it working with current company firwall.**

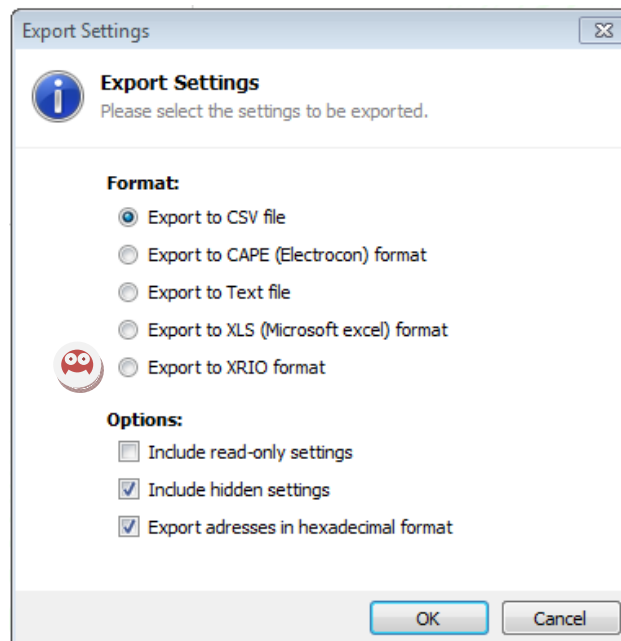
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### E. Add Export to XRIO

- New export format has been added to the current list: XRIO
- XRIO provides a full coherence with OMICRON product.
- XRIO will be helpful for commissioning and maintenance operation.



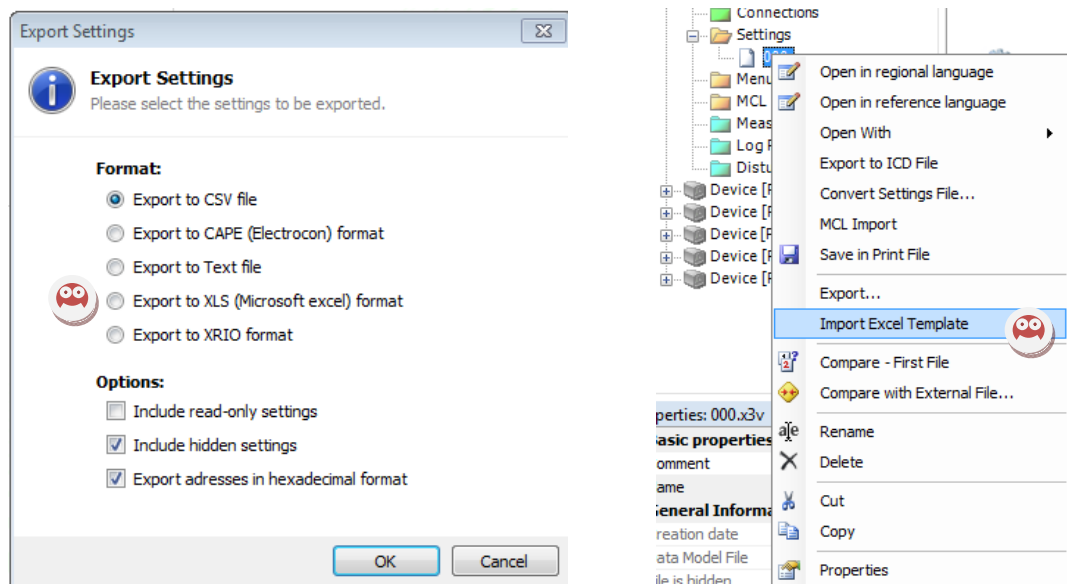
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## F. Add Export/Import feature from an Excel template

- New export format has been added to the current list: Excel
- This is request by ESKOM utility for easy transfer and control of relay manufacturers.
- MiCOM S1 Studio allows excel export. The user is able to change any setting from the export file and add color to help him on his research (structure of the file could not be changed). Importation could be done on any relay from same range/hardware and firmware (compatibility feature and controls are provided).



### Excel look and feel:

- The excel export provides a single file with two excel sheets:
  - First sheet relate dto the relay information.

	A	B	C
1	%FileType:	XLS	
2	%FormatVersion:		1
3	%RelayType:	IEC60870-103	
4	%ModelNumber:	P638-612	
5	%Firmware:	Not measured	
6	%SerialNumber:		
7	%IncludeReadOnly:		0
8	%IncludeHidden:		1
9	%HexadecimalFormat:		1
10	%FileComments:	Model: P638-612	
11			

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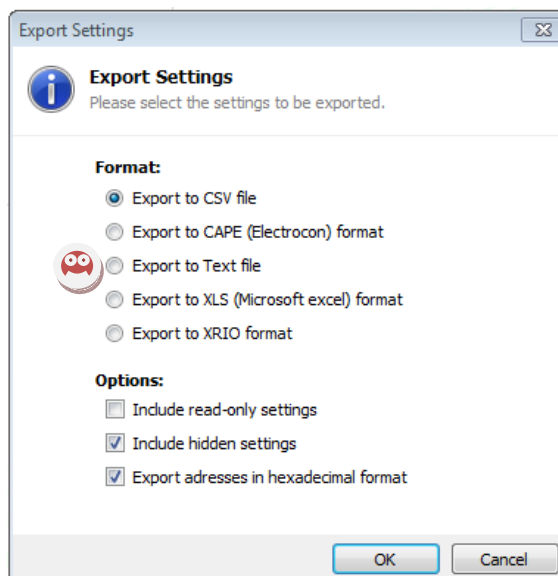
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- Second sheet to the parameters

43	00.31	Device password 2		0	AnalogueInteger		0	9999	1
44	02.75	Rev. version DP 362		2	AnalogueInteger		0	99	1
45	03.14	Language (tongue)	Reference language		SelectionTable	0		1	1
46		Regional language		0					
47		Reference language		1					
48	03.15	Decimal delimiter	Dot		SelectionTable	0		1	1
49		Dot		0					
50		Comma		1					
51	DD.26	Character set	Character set 1		SelectionTable	0		2	1
52		Character set 1		0					
53		Character set 2		1					
54		Character set 3		2					
55	05.FB	Fct. reset key	Without function		Procedure		0	0	1
56		28.0F OUTP Reset latch. EXT		0					
57		05.D1 MAIN Group reset 1 EXT		2					
58		05.D2 MAIN Reset c. cl/tr.c EXT		3					
59		05.FC MAIN Group reset 2 EXT		4					
60		05.FF MAIN General reset EXT		5					
61		28.8A MAIN Reset latch.trip EXT		6					
62		05.D5 OP_RC Reset record. EXT		8					
63		05.F0 MT_RC Reset record. EXT		9					
64		05.F1 OL_RC Reset record. EXT		10					
65		05.F3 FT_RC Reset record. EXT		11					
66	50.6E	Fct. read key	Without function		Procedure		0	0	1
67		1F.50 DVICE Service info 031 080		0					
68		03.0A LOC Param. change enabl.		1					

## G. Add text export

- The Text export provides a single text file with all setting over a suite :



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- Text export file representation:

```


P921.P92x V10-V12 fh.000.txt - Bloc-notes
-----
%FileType: TXT
%FormatVersion: 1
%RelayType: MODBUS
%ModelNumber: P921xAxxxxx V12
%Firmware:
%SerialNumber:
%IncludeReadOnly: 0
%IncludeHidden: 1
010A      OP PARAMETERS      Reference      ALST      0
0104      OP PARAMETERS      Frequency     50 Hz     0
          50 Hz           0
          60 Hz           1
0126      GENERAL           Connection    3 vpn     0
          3 vpn          0
          3 vpn + Vr     1
          2 upp + Vr     2
          3 upp + Vr     3
0127      GENERAL           Protection    Protect P-N 0
          Protect P-N 0
          Protect P-P 1
0109      GENERAL           Default Display RMS va     0
          RMS va      0
          RMS vb      1
          RMS vc      2
          RMS vo      3
          Frequency  4
          RMS values va (or Uab), vb (or Ubc), vc (or Uca), vo | 5
0120      VT RATIO           Main VT Primary      20000 v   100
0122      VT RATIO           Main VT Secondary    100 v     57
0150      LED 5             LED 5 Part 1        000000000000000000 1111111111
          U<           0
          tu<        1
          U<<        2
          tu<<       3
          U<<<       4
          tu<<<      5
          ...        6
  
```

### H. Option “disable/enable” disclaimer notice when starting MiCOM S1 Studio

- A option to enable/disable the disclaimer notice when miCOM S1 Studio is launched is now available in the preference options (Default is enable).

### I. MiCOM S1 Studio Schneider Icon



- The user will get the  after installing MiCOM S1 Studio on his computer.

### J. Consistency within P30 and p40 text editor

- For operator comfort the text editor module used for P40 and P30 ranges has been homogenized and aligned to P40 design.
- Consistency within the different platforms is a key improvement in MiCOM S1 Studio.

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**K. Provide a Path selection for Data Model storage, when installing MiCOM S1 Studio**

- The V4.0.1 installation allows the operator to select the path where to store his data models.

**L. Terminal server Function**

- Provides multiple access to operators/users.
- This function is target Windows Server 2008 (32 bits)
- Single instance of DMM is authorized.
- GOOSE Editor, Eview, Menu.exe and 1&R 103 are not in scope of terminal server.

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#### 4. Issue fixes

<p>Issues resolved</p>	<ul style="list-style-type: none"> <li>• Issue #3387: Ctl+Alt+R (Show CRCs) does not work in Release mode</li> <li>• Issue #3794: Device name change on properties window causes application exception</li> <li>• Issue #3795: IP Address configuration not working Px30</li> <li>• Issue #3800: Download of Data Models in DMM for different language versions</li> <li>• Issue #3883: PSLE - crash on loading S1S P145 file</li> <li>• <u>Issue # 3916 DMM window service connate be found when launching DMM_*</u></li> <li>• Issue #3955: operation failed icon is not consistent with other operation</li> <li>• Issue #3968: XRIO issues</li> <li>• Issue #3969: Exception when import Excel template to setting file of P114S</li> <li>• Issue #3972: Studio will crash when extract setting with predefined courier modem connection</li> <li>• Issue #3973: Two different MS1S icons in "Programs and features"</li> <li>• Issue #3974: XRIO export: wrong value for not measured, blocked, overflowed and undefined settings.</li> </ul>
<p>Additional comments</p>	<ul style="list-style-type: none"> <li>• Help files for Russian, Spanish, German, Chinese have been updated;</li> <li>• <u>Svn revisions: source code (rev. 8872), installer (rev. 1059);</u></li> <li>• <u>All non third-party .sys, .dll and .exe files (including installer executable) are code signed with Schneider Electric Authenticode certificate;</u></li> <li>• * issue # 3916 is not related to DMM tool defect, it is a OS configuration issue.</li> </ul>

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## 5. Other notes

### **Windows compatibility:**

V4.0.1 is qualified with and verified on Windows 7 32 bits.

V4.0.1 is not designed or verified on Windows Vista.

Eview and GOOSE editor are not Windows 7 qualified

Compliance to Windows 7 (64 bits) is planed in next release.

## 6. Assistance

Please go to our web site [www.schneider-electric.com](http://www.schneider-electric.com) and click on Customer Care Center.

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