eWON Application Guide AUG 054 / Rev 1.2





Remote Access for Schneider M258 PLCs



This guide explains in a few steps how to configure your eWON COSY, your Talk2M account and your PLC software to access your Schneider M258 PLCs for remote diagnosis and programming.



1.Hard- and Software Requirements	<u>3</u>
1 1 Hardware Requirements	3
1.2 Software Requirements.	
1.2.1 eWON Related Software.	
1.2.2 Schneider Related Software	3
1.3 eWON Firmware Version	3
2.Objective	4
	_
3.Prerequisite: Determining suitable IP addresses	5
3.1 Internet connection using the WAN Interface	<u>5</u>
3.2 For proper routing, remember	<u>6</u>
4. Talk2M and eWON COSY configuration	7
4.1 Step 1: Creating a Talk2M account and adding an eWON COSY to it	7
4.2 Step 2: Setting IP address of eWON COSY LAN.	
4.3 Step 3: Run the eWON COSY configuration Wizard.	13
4.3.1 First Login & Launch of the Wizard	13
4.3.2 System Setup.	15
4.3.3 Internet Setup	16
4.3.4 Talk2M Setup	<u>18</u>
4.3.5 Gateway setup	<u>19</u>
4.3.6 Final checks	<u>21</u>
4.4 Step 4: Connecting / disconnecting the remote eWON COSY	22
5.Linking eWON COSY and Schneider M258 PLCs	24
6 PLC remote access	25
6.1 SoMachine V 3.0 and V 3.1	<u>25</u>
6.2 SoMachine V 4.0.	29
7.Troubleshooting	32
8.Login security	33
Revision history	35



1. Hard- and Software Requirements

1.1 Hardware Requirements

In order to follow this guide you'll need:

- 1 eWON with VPN capabilities (for example eWON COSY 141)
- 1 Schneider M258 PLC
- PC suitable to configure the eWON and the PLC

1.2 Software Requirements

1.2.1 eWON Related Software

- Web browser Internet Explorerⁱ or Firefoxⁱⁱ to configure the embedded eWON parameters.
- eBuddy eWON detection and firmware maintenance utility <u>http://support.ewon.biz/softwares.htm</u>
- eCatcher VPN tunneling utility <u>http://support.ewon.biz/softwares.htm</u>
 Note: this utility will be used to create the Talk2M account and to connect to your eWON remotely.

1.2.2 Schneider Related Software

• **SoMachine** (version 3.0, 3.1 or 4.0)

1.3 eWON Firmware Version

Successfully following these guidelines requires an eWON firmware version 6.2 s0 or higher. The eBuddy application will allow you to upgrade your eWON firmware if required.



2. Objective

The objective of this document is to guide you through the steps required to enable remote access of your Schneider M258 PLCs.

The remote access setup is composed of the following steps:

- Creating your Talk2M account and adding the eWON COSY to it
- Assigning an IP address to your eWON with eBuddy
- Running the eWON COSY configuration wizard
- Connecting/disconnecting with the remote eWON

Then we address the PLC connection itself:

- Linking the eWON COSY with your Schneider M258 PLC
- PLC remote access

To configure the eWON COSY, all you need is a Web Browser and to open the internal Web page of the eWON COSY. (http://10.0.0.53 is the default IP factory setting)



3. Prerequisite: Determining suitable IP addresses

Configuring remote access is simple. However, you will have to pay special attention to the different IP ranges mentioned below.

3.1 Internet connection using the WAN Interface

The eWON COSY connects to the Internet using its WAN interface. The eWON COSY requires a LAN IP address at the PLC side and a WAN IP address at the network side.



Important Note: The company network address ranges (Company LAN and Site LAN in the example above) are specified and managed by the respective network administrators. These ranges simply cannot be changed. So before configuring your eWON COSY LAN IP address and your PLC IP addresses, please ask for:

1. The specified company LAN network range to be used by the PC that will initiate the remote connection (Company LAN).

In our example this range is 10.0.0.#

2. The specified company LAN network (Site LAN) range which the eWON COSY WAN port will use to get Internet connection.

In our example this range is 10.10.0.#

Knowing the ranges in use at the Company and Site side, you will be able to select a range **outside** these networks for the eWON COSY LAN-port and the PLC. In the above example, we could select addresses in the 192.168.0.# IP range for the eWON COSY LAN and PLC since it does not overlap either with the Company LAN range or with the Site LAN range.



3.2 For proper routing, remember...

- 1. The eWON LAN IP address must be part of the <u>same IP range</u> as the PLC LAN.
- 2. The eWON WAN and LAN IP addresses must be in <u>different IP ranges</u>. The WAN port of the eWON is generally DHCP-enabled, which is a good way to make sure that it will be compatible with the company network.
- 3. The remote PLC network (eWON LAN) must be in a <u>different IP range</u> than the company network on which your PC is connected (Company LAN).



Network 3 = eWON LAN = PLC LAN (all in same range). Network 3 \neq Network 2 Network 3 \neq Network 1



4. Talk2M and eWON COSY configuration

4.1 Step 1: Creating a Talk2M account and adding an eWON COSY to it

To connect to your eWON COSY remotely, we will use the VPN tunneling tools eCatcher and Talk2M.

- 1. Connect your PC to a network with Internet access...
- 2. Download the eCatcher application from here <u>http://support.ewon.biz/softwares.htm</u> and install it.
- 3. Start eCatcher and, if you do not yet have a Talk2M account, create an account using the link *Create a Free+ account*.

🛋 eCatcher (3.) build 8772)	
0		
Devices		
		_
Users	Login	
E.	Username:	
Account	Password: Forgot password	
-	Account:	
	Create a Free+ account)
Secongs	Remember me	
	Connect Automatically	
	Login	
- and a constant	And the second	

- 4. Login to your Talk2M account
- 5. On the menu on the left side of the eCatcher interface click on the "+" (New eWON) icon in the eWON list section.

1 eCatcher	(3.2.0 build 8772)	
9	Active Connection	
Devices	Ø	
*	No active connection.	
Users		
	eWON list	
Account	+h a la l	
<u>x</u>	New Wolf V V V V V V V V V V V V V V V V V V V	Istom Field
Settings		D.Com To



New eWON			
	eWON Name:	eWON Company XY	Now machines can talk
	eWON Description:	eWON at Company XY	
	Connection Type:	Permanent (LAN / ADSL / 3G)	
			Cancel

6. The following window appears:

Enter the **eWON name** you want to use on the Talk2M server to identify the remote connection to your eWON COSY.

The eWON Description is optional can be left empty.

Select **Permanent (LAN / ADSL / 3G)** as **Connection Type** to specify how your eWON COSY will be connected to the Talk2M server.

7. Click on *Next*.

Here you can optionally enter additional information concerning your remote

🛋 New eWON				\mathbf{X}
Talk2M			Now machines can talk	
	Custom Field 1	Group of locations		
	Custom Field 2	Location		
	Custom Field 3	Unit		
			Previous Finis	h

connection. The *Custom Fields* can be used to classify or filter your different remote connections. This will allow you to find easily the eWON COSY you need to connect to.



8. Click on *Finish.* The Talk2M activation key window opens.

To enable the eWON COSY connecting to the Talk2M server, an activation key is needed. The eWON COSY will need this key during its VPN configuration.

🛋 eCatch	er (3.2.0 build 8772)		
e	eWON Setup		
Devices	Select your preferred method to co	onfigure your eWON:	
Users K Account	Configure via SMS Send a It will t	n SMS to the eWON with its activation key, rigger the remote auto-configuration.	
Settings	Configure via Activation Key Every This ke	device receives an Activation Key during its creation in Talk2M. y cannot be changed	
Sottings	Activa	tion Key: b794fc18fd3d5b2cd1a054342ca98c64	
i	eWON	Name: My COSY to setup your eWON on a Talk2M Free+ account.	
Help Exit	GRC	W!	
E	my.talk2m.com Credit: 9,3 EUR	Idle	eWON Guest [eWON_guest] 🌒 Talk 🏹

Under the *Configure via Activation Key* section you will find the Activation Key. Click on the *Copy* (1) icon to copy the activation key into the clipboard of your PC. Keep this information on your clipboard to complete Step 3.

Click on the *Return* icon (2). The new eWON COSY account will now be displayed in the *eWON List* section on the lower part of the window.

🛋 eCatcher	(3.2.0 build 8772)	
e Devices	Active Connection	
	No active connection.	
	eWON list	
Settings	Action Name Status Description Jser(s) connect Custom Field 1 Custom Field 2 eWON Company XOffline Maniual Group of locations Location	✓ ✓ Justom Fie Unit
and the	and some well as the second	page

Note: Using the *Activation Key* is the standard procedure for Talk2M configuration. Next to this method, there are 2 alternative methods: *Configure via SMS* and *Configure via eWON Name.*

End of step 1.



4.2 Step 2: Setting IP address of eWON COSY LAN

Once you have selected your IP addresses, you can start configuring your eWON COSY. In our example, we will change the default factory address 10.0.0.53 to 192.168.0.53. This address has to fit into the PLC-range and may not interfere with the Company LAN (see § 3 Prerequisite: Determining suitable IP addresses).

To configure your eWON COSY LAN IP:

 This connection can be made through the Company network or with a point-topoint link. At this stage there is no constraint as to the IP configuration of the Ethernet adapter of your PC. Actually, eBuddy is able to modify the LAN IP address eWON COSY even if your PC and the eWON COSY have different network address ranges.



Connection through company LAN



Point-to-point connection

2. Start the **eBuddy** utility on your PC

eBuddy – eWON detection and firmware maintenance utility <u>http://support.ewon.biz/softwares.htm</u>



3. In the home page, select Set IP Address



4. You don't need to fill out the Serial Number, just click on Browse

BeBuddy - eWON Mair File View Tools Help OBuddu	ntenance Utility	1
Sot ID Addross	he eWON companion	
Click this link to set o	P Address Wizard	×
<u>Update Firmware</u>	Welcome to the IP Address Wizard Which eWON would you like to configure?	
Click this link to upda (Make sure eBuddy w	Cutilitudes Resure	
Backup/Restore Applic		
Click this link to back	User Login	
Update eBuddy	Username: adm	
Download the latest e operations.	Password:	F
Switch to List Mode (A		
Click this link to displa	<back next=""> (</back>	Iancel

eBuddy finds your eWON COSY. Select it by double-clicking on it and the IP Address window opens.

5. Enter new LAN IP address and Subnet Mask. Click Next





- CeBuddy eWON Maintenance Utility

 File View Tools Help

 Price Type

 Device Type

 Update of remote device

 OB30-0012-59

 eWON 2005CD

 Object

 Object

 Object

 Price Type

 Update of remote device

 Object

 <tr
- 6. Wait until address update and device reboot are completed. Click *Finish*.

7. End of step 2.



4.3 Step 3: Run the eWON COSY configuration Wizard

To configure your eWON COSY :

- 1. Connect the WAN port of the eWON COSY to a network with Internet access.
- 2. Configure the network parameters of your configuration PC to be in the same IP range as the eWON COSY LAN.
- 3. Connect the PC to one of the LAN ports of the eWON COSY.
- 4. Open your Internet browser and access the eWON COSY internal Web page by typing the LAN address you just configured (in our example http://192.168.0.53)

4.3.1 First Login & Launch of the Wizard

1. The eWON COSY first connection screen appears, select the language.

C eWON - Windows Internet Explorer		
	💌 🗟 🐓 🗙 🌆 Live Search	P -
File Edit View Favorites Tools Help		
🚖 Favorites 🏾 🎉 eWON	🚵 👻 🔂 👻 🖃 🖶 🛪 Page 🕶 Safety 🕶 T	rools 🔹 🔞 👻 🎽
ewon		
Configuration is in	Select interface language	

2. Log in (the default login and password are *adm / adm*)

ewon	
Configuration is Config	VON requires a username and ting that your username and e manner (basic authentication mber my password OK m Cancel
Serial PLC Gatev	/ay:
http://192.168.0.53/ec_hello.shtm	🚺 🚱 Internet 🦓 👻 100% 🔻 👷





3. The wizard launch page appears, click on the *Quick Launch Wizard* button



4.3.2 System Setup

1. The System wizard starts. In this page you can give a name to your eWON COSY and you can define another password to the user adm. For security reasons, it is highly recommended to change the default password adm. Click *Next*.

ewon		
	Shortcut	Menu
	Status Settings	0
System 📃 Inter	rnet Talk2M Gateway Maintenance	ك
	User Setup	
	Erase all first:	
	All configuration parameters will be reset. eWON name: EWON Company XY Will help you to identify eWON	
	User name:	
	Password:	
	Retype-Password:	
	eWON Name	eWON
Done	👩 😜 Internet 🦷 🗸	🔍 100% 🔹 💡

2. Check Date and Time ans click Save.

				Shortcut Men
	\$	Status Settings		C
System	Internet	Talk2M Gateway	Maintenance	*
	Date and tim	e		
	Date:	26/07/2013	dd/mm/yyyy	
	Time:	15:16:50 Edit		
_				
	<< Prev	(1) (2) (3)	Save>>	
			9	



enon	
	Shortcut Menu
Status Settings	0
System 🖌 Internet 🔤 Talk2M 🔤 Gateway 🔤 Maintenance	<u>ه</u> (۲)
Uiagnosis SUCCESS: System configuration updated.	
<< Rerun wizard >>	
	WON Name: eWON
Done 🔀 😜 Internet	🖓 • 🔍 100% • 💡

3. When the System part of the wizard is successfully completed, click *Next wizard*

4.3.3 Internet Setup

As required before launching the wizard, make sure to connect the WAN port of the eWON to a network with Internet access

1. In the first page, you configure whether you want the Digital Input of your eWON COSY to be used to open/close the Internet access or not, click *Next*

	ewon	
	Shortcut N	lenu
	Status Settings	0
	System 🖌 Internet 🔤 Talk2M 🔄 Gateway 🔄 Maintenance	С С
	Internet connection Internet Connection: Ethernet Internet interface	
	Physical protection: Digital Input not used	
	eWON Name: e	eWON
Done	🛛 🖓 😜 Internet 🦛 🗝 🕏	100% -



If used, the digital input can lock access to the Internet from an external command (contact or switch).

2. Configure the WAN access to define how the eWON COSY will access the Internet. The simplest configuration is to use DHCP. Click *Next*

enon		
	Shorte	ut Menu
	Status Settings	0
System 🗹 Internet	Talk2M Gateway Maintenance	ڻ ا
<< Prev	Ethernet WAN connection Address Setup Dr:CP V P Address: 10.10.53 Subnet Mask: 255.255.255.0 Defaut 0.0.0.0 Gateway: PINS Via DHCP Primary DNS: 0.0.0.0 Secondary DNS: DNS: DNS: Connect to Talk2M through Proxy Do you connect to Talk2M through an HTTP Proxy?	
	eWON Na	me: eWON

3. Check the connection test results and click Next wizard

		Shortcut Menu
	Status Settings	(
System	🖌 Internet 🖌 Talk2M 🔲 Gateway 📄 Maintenance	*
	Current operation Finished 14 Results Internet connection Online IP Check Diagnosis SUCCESS: Internet connection tested	
	<c bern="" td="" witzerd<=""><td></td></c>	

Note: at least the Ethernet connection should be OK, Online IP check should be OK as well but is less critical.



4.3.4 Talk2M Setup

1. The Talk2M registration wizard starts. Paste the activation key that is still on your clipboard from the Talk2M configuration of your eWON COSY in Step1 and click *Next*

ewo	N	
	Status 💉 Settings	Shortcut Menu
System 🖌	Internet 🖌 Talk2M 🔤 Gateway 🔄 Maintenance	<u>ه</u>
Se Im Be	Added to registering the eWON on <u>Talk2M.com</u> ?	
		eWON Name: eWON

2. Check this box only if the eWON COSY has Internet access through a proxy server, click *Test*





3. Verify whether the connection tests are OK. Now your eWON COSY is configured to work remotely using a Talk2M VPN connection. Click *Next wizard*

		Shortcut Menu
	Status Settings	?
System	Maintenance	*
	 HTTP direct connection HTTP Proxy connection Qeration skipped Read Talk2M config The device serial number was already defined in Talk2M. Previous instance was disabled. Test VPN connection Diagnosis The device serial number was already defined in Talk2M. Previous instance was disabled. VPN connection will use UDP mode SUCCESS: VPN connection configured and tested	
	<< Rerun wizard >> With the second se	

4.3.5 Gateway setup

1. For the remote access to the PLC we will not use the serial connection. So here select *Serial PLC gateway not used*, click *Next*

ewon	
Shortcut Me	enu
Status Settings	0
System 🖌 Internet 🖌 Talk2M 🖌 Gateway 🗌 Maintenance 🔺	C
Senal PLC Gateway configuration Remark: Ethernet gateway is always enabled	
IO Protocol Serial PLC Gateway not used TCP to Serial port (Virtual COM) Modbus TCP to Modbus RTU XIP to Unitelway (Schneider) EtherNet/IP to DF1 (Allen-Bradley) FINS TCP to FINS Hostlink (OMRON CS/CJ) SOTCP to PPI (Siemens \$7-200)	
	WON
oone	100% -



2. Click Save

	~	Status	Setting	s	
System 🗹	Internet 🗹	Talk2M 📝	Gateway	Maintenance	*
	Serial PLC gate	way not used			
	You have select	ed to disable the serial PL	C gateway		
	You can enable configuration wi	it later by running the "Gat zard.	eway" wizard or the full re-		
	-				
		-	-		

3. Click All done

eW	<u>N</u> C	
	Shortcu	t Menu
_	Status Settings	0
System	Maintenance	Ċ
	Congratulations, you have gone successfully through the whole configuration	
	SUCCESS: Serial PLC Gateway is disabled.	
	K Rerun wizard Alf done	
	eVVON Name	eWON
	👩 😜 Internet 🦛 🗸	a 100%



4.3.6 Final checks

1. You return to the Quick launch Page with all parts of the wizard completed

		•	Status	Settings		Shohcuth	(?
System	M Inter	net 🖌	Talk2M	Gateway 🖌	Maintenance	*	ტ
			Quick Laund	ch Wizard.			
) >			
		This wiz steps:	ard will drive you throug 1- System 2- Internet 3- Talk2M 4- Gateway	th the eWON configuration			

A click on Status allows to access a status summary page.

2. Status summary page.



End of Step 3.



4.4 Step 4: Connecting / disconnecting the remote eWON COSY

Now that the eWON COSY is configured to connect to Talk2M, we can establish the remote connection to the eWON COSY.

- 1. Connect your PC to the company LAN and configure its network parameters to have access to the Internet (usually DHCP enabled).
- 2. Launch eCatcher and open your Talk2M account.
- 3. In the eWON list section select the eWON COSY you want to use for the remote connection.

🛋 eCatche	er (3.0.0 build 7	(133)							. 🗆 ≽
O Devices	Active Conn	ection							Ę
Users	1	lame 🔻		IP	D	escription	Us	er(s) connected	₹
Account	eWON list	📾 💌 canar	. 🖸						=
Settings	Action	Name	Status	Descriptio eWON at Company XX	n	User(s) connected	Country	PLC type iu	istom Fi
مسمع		. Anna				Aunor		A was seen a	5

The eWON COSY which you just configured should now be displayed as on line (green tick in the action column). This means that the eWON COSY has established its VPN connection to the Talk2M server.

- Double-click the *online icon* or click on the *Connect* button displayed in the eWON list menu to establish the remote connection to this eWON COSY.
 eCatcher will now establish the VPN connection to the Talk2M server.
- 5. Once the VPN connection to the eWON COSY is established, the eWON COSY will be displayed in the *Active connection* section on the top of the window.





- 6. The PC is now connected to the eWON COSY using the VPN tunnel and you can start to use the remote connection.
- 7. If you want/need to connect to the eWON COSY itself, you can click on the IP address link in the *Active Connection* section, as displayed in the following picture. Once the home page of the eWON COSY web interface is displayed, you know for sure that your connection is effective.

🔔 eCatcher	(3.0.0 build 718	89)							Ļ
e	Active Connec	tion							Ì
Devices	<u>~</u>								
	Name	•		IP	Desc	ription	Use	r(s) connected	
Users	eWON Company XY		10.8.129.82:81)	eWON at Company	y XY	jcn		1
R				·					Ż
Account	eWON list								₹
<u>x</u>	+ @ `	Discor	inect 💽						9
Settings	Action 🔻	Name	💉 🕺 🔊	Description	User(s) connecte	Custom Field 1	Custom Fiel	ld 2 Custom Field 3	
James Law	ev 📩	WON Compan	Connected	eWON at Comp	jan	Belgium	Siemens PLC	لسرجيك	1

8. When you no longer need it, you will have to close the remote connection. To close the connection, click on the *Disconnect* button in the *Active connection* section. This will close the VPN connection with the eWON COSY.

Active Connection							
2							1
Disconnect Name -		IP		Description	Us	er(s) connected	
eWON Company XY	10.8.129.39	6	WON at Compar	iy XY	admin		
							5
eWON list							
🛨 💿 🔦 💷 🔂 Disconi	nect 💽						- 7
×	~	v	*	~	~		<u>-</u>
Action 🔻 Name	💉 Status	Descripti	on	User(s) connected	Country	PLC type	ustom Fi
🙋 Plant X	Offline	PLC at plant x					
eWON Company XY 🕺	Connected	eWON at Company XY	ė	admin			
and the second s	and the second	man p	n - Jone	-		Contra Lance	\sum

9. End of step 4.



5. Linking eWON COSY and Schneider M258 PLCs



There is nothing special to do but make sure that the the LAN IP of the eWON COSY and the PLC IP address <u>are in the same range</u>.

- Tips -

As of firmware v12, there is a PLC Discovery feature inside the eWON. This allows the automatic discovery of PLC (linked to the eWON) on the network while you are connected through Talk2M. No need to set the IP of the PLC in the same range than the IP of the eWON.

For more information, please refer to AUG-070: PLC Discovery through Talk2M



6. PLC remote access

You are supposed to be connected to the eWON through Talk2M as described in the previous steps. You don't need a physical point-to-point connection with your PLC to configure it for remote access. The procedure below starts on the PC having the connection with the eWON AND hosting Schneider's SoMachine software.

6.1 SoMachine V 3.0 and V 3.1

1. Start SoMachine and open your project

🕸 SoMachine						
Entry America Contraction Cont						
🕤 Show existing machine	Most Recent Projects					
Browse for existing project Extract archive		File. Pr	s of type roject files	-	View Thumbnails	
Create new machine	M258 Demo.project	Untitled1.project	Untitled1.project	JFU.project		
Machine workflow						
? Learning Centre		÷	÷			
Survey and survey of the		and the second second	يرجع وجور			

2. Open the *Commissioning* menu...

🎯 M258_	_Demo.project - SoMachine					
হ্য	A Home	Properties	Configuration	Program	Commissioning	Report
() ()	Login/Logout Multiple download Source Download				<u>(</u>	
				Mode Ether CAN0 usT., net Not logged in MyController SoMa)	

... and double-click on the PLC to open the *MyController > Parameters* window.



3. In the *Communication Settings* tab, make sure as shown below that a Gateway was declared in this window.



4. Open the Program Menu (1), select Online (2) > Remote connection (3)...





5. Specify the PLC IP address (1) in the *Remote connection* window and click *Add connection* (2)

Remote connection	
Remote IP address:	
192.168.0.62	Add connection
	<u>b</u>
Address State Connection	
	<u>></u>
Connected to local Gateway	Close

After a while, the IP address of the remote PLC appears in the lower part of the window with *connected as client* in the State column.

Remote IP address: 192.168.0.62 Add connect	ion
192.168.0.62 Add connect	ion
	. 1
Address State Connection Helease connection	ction
192.168.0.62:1 connected as client 1	
Close Close	<u>m</u>

Note: At this point, if you have no Talk2M connection with the eWON, the message shown in the State column would be *connection in progress*. Click *Close*.

6. Login to your PLC either through the menu *Online > Login* or through the *Online Viewing* icon on the toolbar

🕸 M.	258_C)emo.	project ·	- SoMach	ine							-
			<u>а</u> но	me	Pr	operties		Conf	iguration		Program	Commis
File	Edit	View	Project	FBD/LD/I	L Build	Online De	bug/Watch	Tools	Window	Help		
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: 620	it (*	9 (}	()) (3)	ወው ብዙ ብ	/b (176 (1871)	-մե կով կլ	/៧ ក្រ 🛛 🏾	s :()		±1=	E E E E E E	I I I I
Device	es				▼ ₽	× /) fiy 🔒) Visual	ization			2
2	M758	- Demo	-				1 P F	OGRAM	fjy 💦		and the second second	and the second second



7. You are now remotely connected with the PLC

M258_Demo.project - SoMachine					1
☆ Home Prope	erties Configuration P	Program Commissionin	ng Re	eport	
File Edit View Project FBD/LD/IL Build Onl	ine Debug/Watch Tools Window Help				1
🖶 🎒 🗠 🗠 🥇 🖬 🖄 🖬 🖓 🎚	à 🛅 • 🗗 🛗 🎯 💖 🕟 🔒 📮 🛀	*1 8 ¢			
🗄 🎬 💱 🐡 ४३ ४४ ४३ ४३ ४४ मा मा साम साम नौ	i had had an (100:100:100:100:100:100:100:100:100:100			*4 / M -5 F	七振鞋 🚦
Devices 🗸 🗸 🗙	🕂 🕕 fjy 🚇 Visualization				
- M258_Demo	MyController.Application.fjy				
□) Expression	Туре	Value	Prepared value	Comment
	🖉 🧳 bit0	BOOL	FALSE		
GVL	🔷 bit1	BOOL	FALSE		
👘 Library Manager	🛷 Var1	REAL	0		
- 💾 fjy (PRG)	🔷 Var2	DWORD	0		
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6.2 SoMachine V 4.0

Reminder: You are supposed to be connected to the eWON through Talk2M as described in the previous steps.

- 1. Start SoMachine and open your project
- 2. Click on Open Configuration

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- 3. Select the *Device tree* tab on the bottom left
- 4. Select MyController in the device tree
- 5. Open the Controller selection tab
- 6. Select *IP Address* as Connection Mode and introduce the IP address of the target PLC
- 7. Click on the *Login* icon from the toolbar

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8. After a while, the controller appears as connected in the *Controller selection* panel

9. Click on the *Logout* icon from the toolbar to disconnect.



7. Troubleshooting

To be able to reach the Ethernet PLC, the following conditions must be fulfilled:

- Reboot the PLC after IP address and/or gateway change.
- You might have a mismatch between the actual IP configuration of the eWON and the eWON LAN IP address configured as *Remote Connection* in your Talk2M account. You can check, and if necessary, modify these settings, in eCatcher. Under the eWON list select the Name of the remote connection and click on the *Detail* button.

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The eWON Detail window will open:

Here you will find the different information you configured. The Remote Network is specified under the *Remote Connection* section.

eWON Detail		
←☑≁₴```®'	₩-	
eWON Name :	eWON Company XY	
eWON Description	eWON at Company XY	
eWON Serial Number :	0830-0003-56	
Connection Type :	LAN/ADSL	
Country	Belgium	
PLC type	Schneider M258	
Custom Field 3		
Remote Connection		
eWON's LAN IP:	192.168.0.53	
Network Mask:	255.255.255.0	



To change the Remote Connection settings, click on the Edit button on the top of the page.

Once the modification is finished, click on the Save button which is displayed on the top of the window when in edit mode. After the change you would then have to save and **Disconnect** and **Connect** the VPN bridge to the eWON for Talk2M to take the modification into account.

The remote PLC network must be in a different range than the company network on which your PC is connected (see § 4.2 Step 2: Setting IP address of eWON COSY LAN).

8. Login security

A good security practice consists in modifying the password of the default user adm. Modifying the adm user password is done during the eWON COSY setup wizard (see § 4.3.2 System Setup).

If you re-run the wizard ONLY to change the password, *uncheck* the *Erase all first* box in the fisrt system setup window.





Revision history <i>Revision Level</i>	Date	Description
1.0	05-AUG-2013	Initial release
1.1	25-FEB-2014	Addition for So-Machine V4
1.2	15/12/16	Added "PLC Discovery" to Chapter 5

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Document build number: 47

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