

Ewon[®] Cosy+
REFERENCE GUIDE

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Important User Information

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1. Preface

1.1. About This Document

This document describes all configuration parameters of the Ewon® Cosy+.

For additional related documentation and file downloads, please visit our [Support website](#).

1.2. Document History

Version	Date	Description
1.0	01-03-2021	First release
1.1	09-07-2025	Adapted for Firmware 23.0s0

1.3. Related Documents

Document	Author	Document ID
User Manual for Ewon® Cosy+	HMS	UM-006-00
Installation Guide for Ewon® Cosy+	HMS	IG-0031-00
comcfg.txt	HMS	KB-0050-00
config.txt	HMS	KB-0052-00
Ebuddy	HMS	AUG-0063-00
Flexy & Cosy – WAN Fallback	HMS	KB-0286-00
Open a corrupted backup.tar file generated by the Ewon	HMS	KB-0080-00

1.4. Trademark Information

Ewon® is a registered trademark of HMS Networks SA. All other trademarks mentioned in this document are the property of their respective holders.

2. First Access

The screenshot shows the login page of the Ewon® Cosy+ Web Configuration Interface. At the top, there is a dark blue header with the word "Cosy" and a home icon. Below the header, the page is divided into two main sections. On the left is the "Login" section, which has a dark blue header with a user icon and the word "Login". It contains two input fields: "Username:" with a placeholder "Username" and "Password:" with a placeholder "Password". Below these fields are two buttons: "Need help?" and "Login". On the right is the "Cosy Status" section, which has a white header with a heart icon and the text "Cosy Status". Below the header is a large green box with a thumbs-up icon and the text "Everything is OK". Underneath this box are three status indicators: "Internet Connection" with a globe icon, "VPN Connection" with a cloud icon, and "Gateway" with a factory icon. At the bottom of the page, there is a dark blue footer. On the left is the Ewon logo. In the center is the text "Ewon Name: Ewon". On the right is the text "Current time: 02/08/2019 09:09:38" and three small icons: a globe, a cloud, and a factory.

Figure 1. Login Page of the Ewon® Cosy+ Web Configuration Interface

2.1. Mandatory Cybersecurity Requirements



WARNING

To comply with the latest mandatory cybersecurity requirements, please update your Ewon® Cosy+ device during installation with the latest available firmware.

If your device was running a firmware below 23.0S0, then Reset Level 2 is required after firmware update.

Please ensure that physical access protection to the Ewon® Cosy+ device is guaranteed and allow only authorized users to connect to the LAN network.

Additionally, use the available access rights levels in Talk2m to enforce the principle of least privilege.

Read about procedure in the following article [How to update the firmware of an Ewon Cosy+ ?](#).

2.2. Status

The <Status> frame displays the current state of the Ewon® Cosy+.

The following elements are displayed in this section :

Cosy Status	Indicates the general states of the Ewon® Cosy+. If all following indicators are green, then the general status will be green as well.
Internet Connection	Indicates if the Ewon® Cosy+ has received a WAN IP address. The icon will be green as long as the WAN IP address is different than 0.0.0.0 If it is green, it does not mean that it is connected to the Internet. For example, it will be green when: <ul style="list-style-type: none"> • The Ewon® Cosy+ is configured with a static IP. • The Ewon® Cosy+ has been connected to the Internet and the WAN cable has been unplugged afterwards. In this particular case, the Internet status will turn red only if a reboot is performed with the WAN cable still unplugged.
VPN Connection	Indicates if the Ewon® Cosy+ is currently connected to a VPN service (such as Talk2m).
Gateway Connection	Always green regardless of the status of the USB connectivity or the NAT 1:1 configuration.

2.3. Login

The factory parameters to log in are as follow:

Table 1. Ewon® Cosy+ Default Credentials

Element	Value
IP Address	10.0.0.53
Login (case insensitive)	adm
Password (case sensitive)	adm



NOTICE

At first login, the Ewon® Cosy+ will ask you to change and strengthen the adm/adm credentials.

Refer to [Password Modification \(page 3\)](#) section for more information.

2.4. Language Selection

When you log in to the Ewon® Cosy+ web interface, a window prompts and asks for the language of the interface.

The language selection is also requested after a reset (level 1 or 2) operation. A reset level 2 is a factory reset of the Ewon® Cosy+.

You can change the language of your Ewon® Cosy+ by browsing to **Setup ► System ► Main ► General ► Language**.

The language modification requires a reboot of the Ewon® Cosy+.

2.5. Password Modification

As long as the password of the **adm** user does not meet the requirements, the Ewon® Cosy+ will ask you to change this password.

This is the case, for example, on the very first login or after a reset level 2. More information on the requirements is in the [Password Policy \(page 4\)](#) section.

Figure 2. Password modification

If you need to change the password later, you can do so in the System Wizard. Please refer to the [System section \(page 22\)](#).



NOTICE

The *language selection* prompt, *password modification* prompt, and the *Quick Launch Wizard* might not appear if the device was configured using the Talk2m easy setup process.

Depending on what was or was not configured as part of easy setup, some prompts may not appear

2.5.1. Password Policy

A new password must meet the following requirements:

- Minimum length: 12 characters
- Maximum length: 35 characters
- Only characters from the latin-1 set (ISO-8859-1)
- Respect 3 of the following conditions:
 - at least one lowercase character
 - at least one uppercase character
 - at least one digit
 - at least one special character

2.6. Wizards

Right after the login, the language selection and the password modification, the Ewon® Cosy+ offers the possibility to run the *Quick Launch Wizard* to configure the <System>, the <Internet connection>, the <VPN connection> and the <Gateway>.

The wizards are an easy, automatic and straightforward way of configuring the Ewon® Cosy+.

It is not mandatory to follow the wizards. The configuration of the Ewon® Cosy+ can also be set:

- Through the Talk2m easy setup procedure which involves the use of a USB stick / SD card.
- Manually through the Tabular edition – System Config and the Tabular edition – COM cfg files.

A complete description of all wizards is available in the [Wizards Menu \(page 12\)](#) chapter.

3. General Overview

The web interface is divided in four sections:

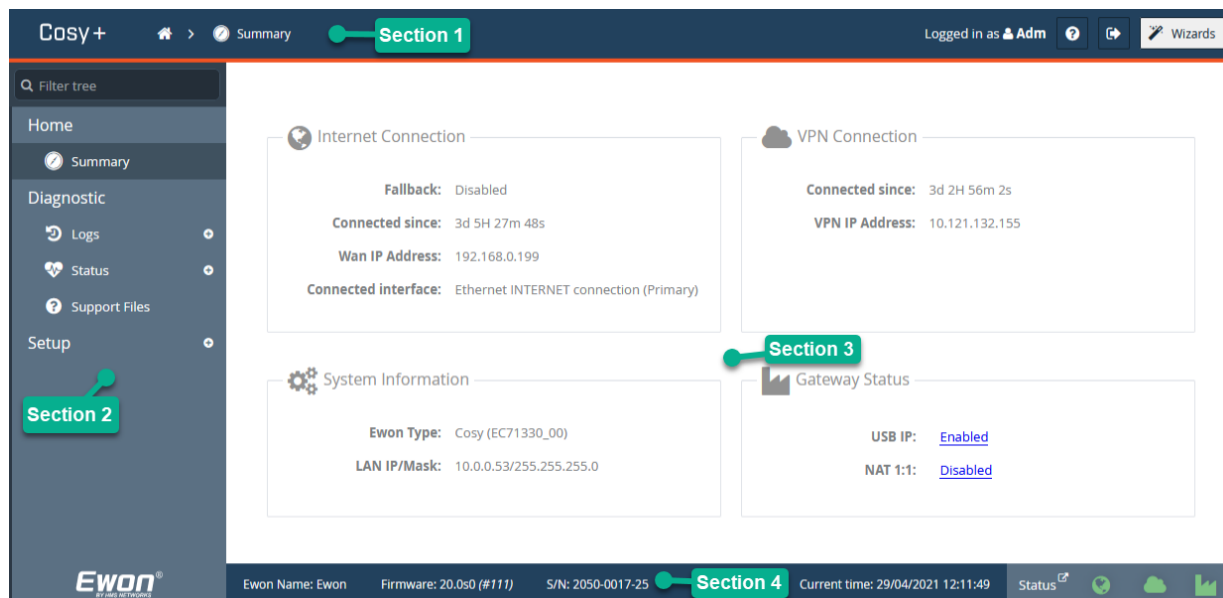


Figure 3. General overview of the web interface

Table 2. Sections of the web interface

Section #1	<p>The header always stays visible at the top.</p> <p>The information is always the same regardless of the content of the other sections of the screen.</p> <p>You will find several elements such as:</p> <ul style="list-style-type: none"> • The logo of the Ewon® Cosy+ • The breadcrumb: the menu path of the current view • The current user logged in • A button to the support web page • A button to log out • A button to run the wizards.
Section #2	<p>The menu to configure and monitor the Ewon® Cosy+.</p> <p>The menu expands to one or two columns depending on the section.</p>
Section #3	<p>The content of the page.</p>
Section #4	<p>The footer is always visible at the bottom.</p> <p>The information is always the same regardless of the content of the other sections of the screen.</p> <p>You will find several elements such as:</p> <ul style="list-style-type: none"> • The name of the Ewon® Cosy+ • The firmware version run on the Ewon® Cosy+ • The serial number of the Ewon® Cosy+ • The current date and time of the Ewon® Cosy+ • The status of the Internet connection, VPN connection and gateway.

4. Ewon® Cosy+ Interface Homepage

The **Home** section is the view displayed following the login form in the web interface. It provides a full status of the Ewon® Cosy+.



NOTICE

The **Home** section does not appear if the Ewon® Cosy+ is not configured. Instead, the user will have the possibility to launch the Quick Launch Wizard

The summary of the Ewon® Cosy+ status shows the following information:

Table 3. Internet Connection

Fallback	The status of the WAN fallback feature. For more information about the WAN fallback, refer to the Internet Wizard (page 14) section.
Internet Status	This field appears only if you haven't configured the Internet connection of the Ewon® Cosy+.
Connected since	The elapsed time since the Ewon® Cosy+ connected to the Internet. This field does not appear if you haven't configured the Internet connection.
WAN IP Address	The IP address of the WAN interface. This field does not appear if you haven't configured the Internet connection.
Connected Interface	WAN interface used to connect the Ewon® Cosy+ to the Internet. This field does not appear if you haven't configured the Internet connection.
WiFi Status	The SSID of the WiFi network the Ewon® Cosy+ is currently connected to. This field appears only if the Ewon® Cosy+ is equipped with a WiFi modem.
GSM Status	The name of the cellular operator, the signal strength and the cellular technology. This field appears only if the Ewon® Cosy+ is equipped with a cellular modem.
GSM data consumption	The cellular consumption of the Ewon® Cosy+ (upload and download). This field appears only if the Ewon® Cosy+ is equipped with a cellular modem.

Table 4. VPN Connection

Status	This field appears only if you haven't configured the VPN connection of the Ewon® Cosy+.
Connected since	The elapsed time since the Ewon® Cosy+ connected to the VPN service. This field doesn't appear if you haven't configured the VPN connection.
VPN IP Address	The IP address of the VPN connection. This field doesn't appear if you haven't configured the VPN connection.

Table 5. System Information

Ewon Type	The model of the device.
LAN IP/Mask	The LAN IP address and subnet mask of the device. By default: 10.0.0.53/255.255.255.0
Embedded modems	The type of modem embedded in the Ewon® Cosy+: Wi-Fi or cellular (3G/4G). This field appears only if the model of the Ewon® Cosy+ is equipped with a Wi-Fi or a cellular modem.

Table 6. Gateway Status

USB	The status of the USB connectivity. By default, it is activated. It is possible to change this status by clicking on it.
NAT 1:1	The status of the NAT 1:1. By default, it is deactivated. It is possible to change this status by clicking on it.

5. Diagnostic

The **Diagnostic** area is useful to gather data if you encounter an issue with the Ewon® Cosy+.

This section is divided in 3 parts:

Logs	All the records — Event and Real time — logged by the Ewon® Cosy+.
Status	The internal variables and counters representing the current live status of the Ewon® Cosy+.
Support Files	The creation of a backup with extended files (for support purpose) of the current Ewon® Cosy+ configuration. Due to technical reasons, the backup file cannot be opened using a standard zip tool application. You will first need to process using the <i>etar</i> tool. More info in our KB-0080-00 : Open a corrupted backup.tar file generated by the Ewon.

5.1. Logs

The <Logs> section is the place where you can see all recorded events.

It is divided in 2 sub-sections: <Event Logs> and <Realtime Log>.

5.1.1. Event Logs

This page displays the information recorded in the *events.txt* file. You can download this file from the FTP server of the Ewon® Cosy+.

The logged data is presented in reverse chronological order: recent events on top, older ones at the bottom.

Different colors represent different types of event: **Error** in red, **Warning** in orange and **Trace** black.

Table 7. Event logs page parameters

Filter	Allows the filtering of the data. All 4 columns are taken into consideration.
Items to display	Allows the display of a limited number of items.
Class	Allows the filtering of the events based on their nature / category.
Level	Allows the filtering of the events based on their severity. The chosen level and the level(s) greater than the selected level are shown. Available levels: Error , Warning and Trace .
Time	The time & date when the event occurred.
Event	The ID of the event.
Description	The description of the event. Each description refers to a single event ID.
Originator	The interface that triggered an event log.
Autorefresh	If enabled, the list will be automatically refreshed at the defined time interval.

5.1.2. Realtime Logs

This page displays the debug information for different interfaces.

These logs are stored in RAM memory and are cleared on reboot.

In case your Ewon® Cosy+ embeds a WiFi or cellular modem, you can activate the debugging of the modem communication.



IMPORTANT

The logging of modem communication is a time consuming task and thus will slow down the overall behavior of the Ewon® Cosy+. You should activate and use the debug of the modem communication only during the debug process.

Table 8. Real-time Logs Page Parameters

Filter	Allows the filtering of the data. All 5 columns are taken into consideration.
Items to display	Allows the display of a limited number of items.
Source	Allows the filtering of the events based on their interface.
Time	The time and date when the event occurred.
Source	The nature of the event.
Event	The description / content of the event.
Event ID	The ID of the event. Will always be unique until reset level 2.
Clock	The time in millisecond since the Ewon® Cosy+ has booted.
Autorefresh	If enabled, the list will be automatically refreshed at the defined time interval.

5.2. Live status of the Ewon® Cosy+

This page displays all the internal variables and counters that represents the current live status of the Ewon® Cosy+.

These counters are organized in 2 main categories:

- System Counters
- System Info

All these counters are accessible within the “**estat.htm**” file and can be downloaded from the FTP server of the Ewon® Cosy+.

5.2.1. System Counters

As the Ewon® Cosy+ shares the same file structure as the Ewon Flexy, not all parameters will apply.

Table 9. Memory Information

Name	Description	Value (example)	Unit
TotalAllocated	The total memory allocated.	21934080	Bytes
NbFreeChunk	The number of free chunks.	375	
NbFreeFastbinBlock	The number of free blocks in fast bin.	0	
MaxAllocSpace	The maximum allocated space.	0	Bytes
FastbinBlockSizeUsed	The fast bin block size used.	0	Bytes
TotalAllocSpace	The total allocated space.	21545696	Bytes
TotalFreeSpace	The total free space.	388384	Bytes
CouldTrim	The memory that could be trimmed.	74512	Bytes
TotalMemAvail	The total memory available.	60518400	Bytes
TcpIpAlloc	The TCP IP allocated memory.	0	Bytes
SocketAlloc	The sockets allocated.	34	
SnmpAlloc	The allocated memory for SNMP.	0	Bytes
CfgFreeMem	The free memory for the configuration.	521333	Bytes
PrgFreeMem	The free memory for the script execution.	505552	Bytes
ProgAvailMem	The free memory for script code.	261487	Bytes
DskUsrFree	The free space of the /usr partition.	24820	KBytes
DskUsrTotal	The total size of the /usr partition.	26188	KBytes
SDExtTotal	The total size of the SD card extension.	0	KBytes
SDExtFree	The free space of the SD card extension.	0	KBytes

Table 10. NAT & IP Forwarding

Name	Description	Value (example)	Unit
FWNbMinCfgNodeAvail	The minimum number of available configuration nodes.	0	
FWNbMinNatNodeAvail	The minimum number of available NAT nodes.	0	
FWNoNatEntryCount	The missed number NAT entry.	0	
FWServiceNodeRecycle	The recycled service node.	0	
FWPortFwdNodeRecycle	The recycled port forward node.	0	
FWDropInOtherCount	The number of incoming packets dropped (other reason).	0	
FWDropOutOtherCount	The number of outgoing packets dropped (other reason).	0	
FWDropInInvalidCount	The number of incoming packets dropped (invalid packet).	0	
FWDropInFltCount	The number of incoming packets dropped (filtered).	0	
FWDropInFwdDstErrCnt	The number of incoming packets dropped (invalid destination).	0	
FWPortFwdCount	The number of packets forwarded.	0	
FWDropOutInvalidCnt	The number of outgoing packets dropped (invalid packet).	0	
FWNatFwdCount	The number of NATed packets.	0	
FWNatTcpSend	The number of NATed TCP packets.	0	
FWNatUdpSend	The number of NATed UDP packets.	0	
FWNatIcmpSend	The number of NATed ICMP packets.	0	

5.2.2. System Info

As the Ewon® Cosy+ shares the same file structure as the Flexy, not all parameters will apply.

Table 11. Information

Name	Description	Value (example)	Unit
SerNum	The serial number of the Ewon® Cosy+	2050-0002-25	
FwrVersion	The current firmware version.	786434	
CodeName	The code name.	20.0s0	
FwrDnldDate	The date when the firmware was uploaded to the Ewon® Cosy+. This parameter is deprecated.	01/01/1970 00:00:00	
ModemExtInfo	The extended information of the modem.		
SIFMacAddrL	The MAC address of the LAN interface.	00:03:27:52:a7:33	
SIFMacAddrW	The MAC address of the WAN interface.	00:03:27:52:a7:33	
SIFMacAddrWifi	The MAC address of the Wi-Fi interface.	00:00:00:00:00:00	

Table 12. Status

Name	Description	Value (example)	Unit
PppIp	The allocated PPP IP address.	0.0.0.0	
TfIp	The current IP transparent forward address.	0.0.0.0	
VpnIp	The allocated VPN IP address.	0.0.0.0	
PppCIn	The PPP accumulated incoming traffic.	0	Bytes
PppCOut	The PPP accumulated outgoing traffic.	0	Bytes
ADSLOperStatusTxt	[DEPRECATED] The ADSL line status.		
ADSLLocRemSNRTxt	[DEPRECATED] The ADSL local/remote SNR.		dB
ADSLUpDnSpeedTxt	[DEPRECATED] The ADSL up/down speed.		kbps
ADSLWanStatusTxt	[DEPRECATED] The ADSL WAN status.		
ADSLLocalIp	[DEPRECATED] The ADSL local IP address.	0.0.0.0	
ADSLRemotep	[DEPRECATED] The ADSL remote IP address.	0.0.0.0	
ADSLDNS1	[DEPRECATED] The ADSL primary DNS.	0.0.0.0	
ADSLDNS2	[DEPRECATED] The ADSL secondary DNS.	0.0.0.0	
IsWANFallbackUsed	Indicates if the WAN fallback feature is being used.	0	

Table 13. System

Name	Description	Value (example)	Unit
MbPartNum	The motherboard part number.	EC71330_00	
MbSerNum	The motherboard serial number.	2050-0002-25	
MbExtInfo	The motherboard extended information.	PType:0, MTID:578	
Xb1PartNum	The extension card #1 part number.	3G GSM	
Xb1SerNum	The extension card #1 serial number.	0-0000-0000-19	
Xb1ExtInfo	The extension card #1 extended information.	[Is not used]	
Xb2PartNum	The extension card #2 part number.	[Is not used]	
Xb2SerNum	The extension card #2 serial number.	[Is not used]	
Xb2ExtInfo	The extension card #2 extended information.	[Is not used]	
Xb3PartNum	The extension card #3 part number.	[Is not used]	
Xb3SerNum	The extension card #3 serial number.	[Is not used]	
Xb3ExtInfo	The extension card #3 extended information.	[Is not used]	
Xb4PartNum	The extension card #4 part number.	[Is not used]	
Xb4SerNum	The extension card #4 serial number.	[Is not used]	
Xb4ExtInfo	The extension card #4 extended information.	[Is not used]	

5.3. Support Files

If you need to debug the Ewon® Cosy+, the support files are of great help.

This section proposes a downloadable “.etar” file containing useful files for debugging purposes.



NOTICE

The generated .etar file will be considered as corrupted by most of the common tools.

You must use the [Ewon etar utility](#) to repair the file. More info in [KB-0080-00: Open a corrupted backup.tar file](#) generated by the Ewon.

6. Setup

This area defines all the Ewon® Cosy+ settings:

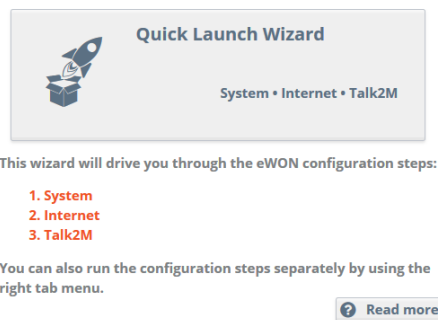
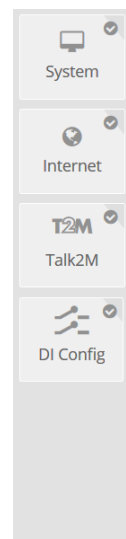
- General setup
- Communication parameters
- Storage section
- Firmware management
-

6.1. Wizards Menu

In this chapter, you will find explanations of the different configuration wizards.

- **System**
- **Internet**
- **Talk2m**
- **DI Config**

You can either run all the wizard consecutively by hitting the **Quick Launch Wizard** buttons, or run a specific wizard by clicking one of the wizard button in the right side menu.



6.1.1. System Wizard

This wizard configures the general settings of the Ewon® Cosy+:

System Wizard

1234

User Setup

User Setup

☒ Erase all first

All configuration parameters will be reset

Ewon name: Ewon

Will help you identify the Ewon

Username: adm

The Username is not editable

Password:

Retype-Password:

Cancel QuickLaunch

Skip this wizard

< Previous

Next >

System

Internet

T2MTalk2M

DI Config

Table 14. Step 1: User Setup

Erase all first	The Ewon® Cosy+ will be set back to factory settings.
Ewon name	The name of the Ewon® Cosy+. This name is indicated in the footer of the web interface. This is different then the name given to the device in the Ecatcher application.
Username	The login of the administrator (cannot be changed).
Password	The password of the administrator. The password must follow the password policy explained in Password Modification (page 3) chapter.
Retype Password	The confirmation of the password.

System Wizard

1234

Date and time

Clock setup

Timezone: Etc/GMT (UTC)

Configure update of clock: ☐ Manual ☒ Update clock via NTP

NTP Server address: ntp.talk2m.com

Update interval: 1440 Minutes

Cancel QuickLaunch

Skip this wizard

< Previous

Next >

System

Internet

T2MTalk2M

DI Config

Table 15. Step 2: Date and time

Timezone	Sets the Ewon® Cosy+ in a specific timezone.
Configure update of clock	The method to set the time of the Ewon® Cosy+: <ul style="list-style-type: none"> • <i>Manual</i>: the user sets manually the time. • <i>Update clock via NTP</i>: (default) the Ewon® Cosy+ automatically retrieves its time from a NTP server.
NTP Server address	The URL of the NTP server. By default, the server is set to <i>ntp.talk2m.com</i> . This field is shown only if you have selected <i>Update clock via NTP</i> .
Update interval	The time interval used to update the clock. The default is once per day. This field is shown only if you have selected <i>Update clock via NTP</i> .
Datetime	This field is shown only if you have selected Manual . The date and time set manually (dd/mm/yyyy).



Table 16. Step 3: LAN/WAN Configuration

LAN/WAN ports attribution	Attribution of the ports: LAN (green) or WAN (orange). <ul style="list-style-type: none"> • Port #1 is always a LAN port and is impossible to change into a WAN port. • Port #4 is by default the WAN port but can be modified into a LAN port if the Ewon® Cosy+ has a secondary Internet interface (cellular or WiFi).
----------------------------------	--

**IMPORTANT**

If you change the LAN/WAN port attribution, it is mandatory to reboot the Ewon® Cosy+ once you complete the *System Wizard*.

6.1.2. Internet Wizard

This wizard configures the Internet connection settings of the Ewon® Cosy+.

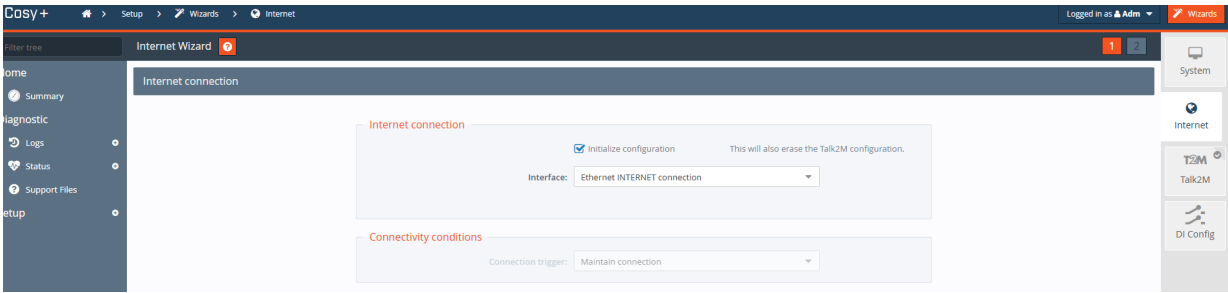


Table 17. Step 1: Internet connection

Internet connection	<ul style="list-style-type: none">• <i>Initialize configuration</i>: The Ewon® Cosy+ will be set back to factory settings for the Internet parameters, including the Talk2m configuration.• <i>Interface</i>: The selection of the WAN interface (the options available are determined by the Ewon® Cosy+ model).
Connectivity conditions	<p><i>Connection trigger</i>: How the connection of the Ewon® Cosy+ should be triggered.</p> <p>This field can be configured only for cellular model (3G or 4G). Otherwise, this field is automatically set and fixed to Maintain connection.</p>

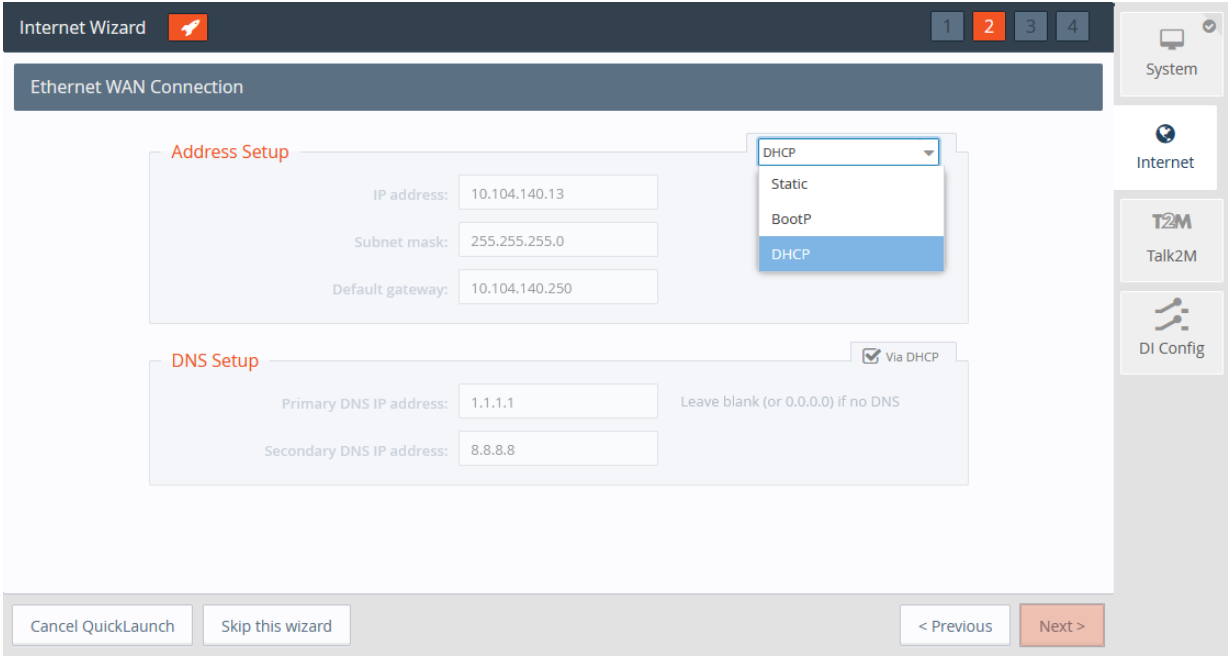


Table 18. Ethernet WAN Connection

Address Setup	<p>How the WAN IP address should be set up: Static, BootP or DHCP.</p> <p>Default value: DHCP</p> <p>Based on the above choice, different fields should be completed:</p> <ul style="list-style-type: none">• <i>IP address</i>: the desired IP address on the network (for Static only).• <i>Subnet mask</i>: the desired subnet on the network (for Static only).• <i>Default Gateway</i>: the gateway on the network (for Static and BootP only).
DNS Setup	<p>Primary and secondary Domain Name Server.</p> <p>Manual settings available for Static or BootP configurations, and for DHCP if the <i>via DHCP</i> box is unchecked.</p>

Table 19. WiFi WAN Connection

Network selection	How the network name should be set.
Network name	<p>The SSID of the WiFi network.</p> <p>If you selected <i>List</i> in the previous field, this field will be a dropdown proposing automatically nearby WiFi network.</p> <p>If you selected <i>Manual</i> in the previous field, this field will be a text field that you need to fill manually with the desired WiFi network name.</p>
Passphrase	The password of the WiFi network.
Security	<p>The level of security for the WiFi network.</p> <p>This field appears only if you select Manual.</p>
WiFi WAN connection	<p>How the WAN IP address should be set up: Static, BootP or DHCP.</p> <p>Default value: DHCP</p> <p>Based on the above choice, different fields should be completed:</p> <ul style="list-style-type: none"> • <i>IP address</i>: the desired IP address on the network (for Static only). • <i>Subnet mask</i>: the desired subnet on the network (for Static only). • <i>Default Gateway</i>: the gateway on the network (for Static and BootP only).
DNS Setup	<p>Primary and secondary Domain Name Server.</p> <p>Manual settings available only for Static and BootP configurations.</p>
HTTP Proxy	Indicates if the Ewon® Cosy+ is behind a proxy.

Table 20. Cellular modem

SIM PIN	<p>The PIN code of the SIM card.</p> <p>This field can be left empty if no PIN code is needed.</p>
Country	The country of the SIM card provider.
Provider	Name of the cellular service.
APN List	<p>The Access Point Name [APN] of the cellular service provider.</p> <p>This is mandatory for the Ewon® Cosy+ to have access to the Internet. A custom APN is also possible.</p>
Username	<p>The username provided for the APN by the cellular service provider.</p> <p>You can leave this field empty if the SIM card doesn't require a username.</p>
Password	<p>The password provided for the APN by the cellular service provider.</p> <p>You can leave this field empty if the SIM card doesn't require a password.</p>
Maximum idle time (Advanced options)	The amount of time before the Ewon® Cosy+ shuts down the connection if there is no traffic from/to the Ewon® Cosy+.
Maximum call duration (Advanced options)	The amount of time the Ewon® Cosy+ stays online before closing the outgoing connection.
Connectivity type (Advanced options)	Selection of the type of technology.

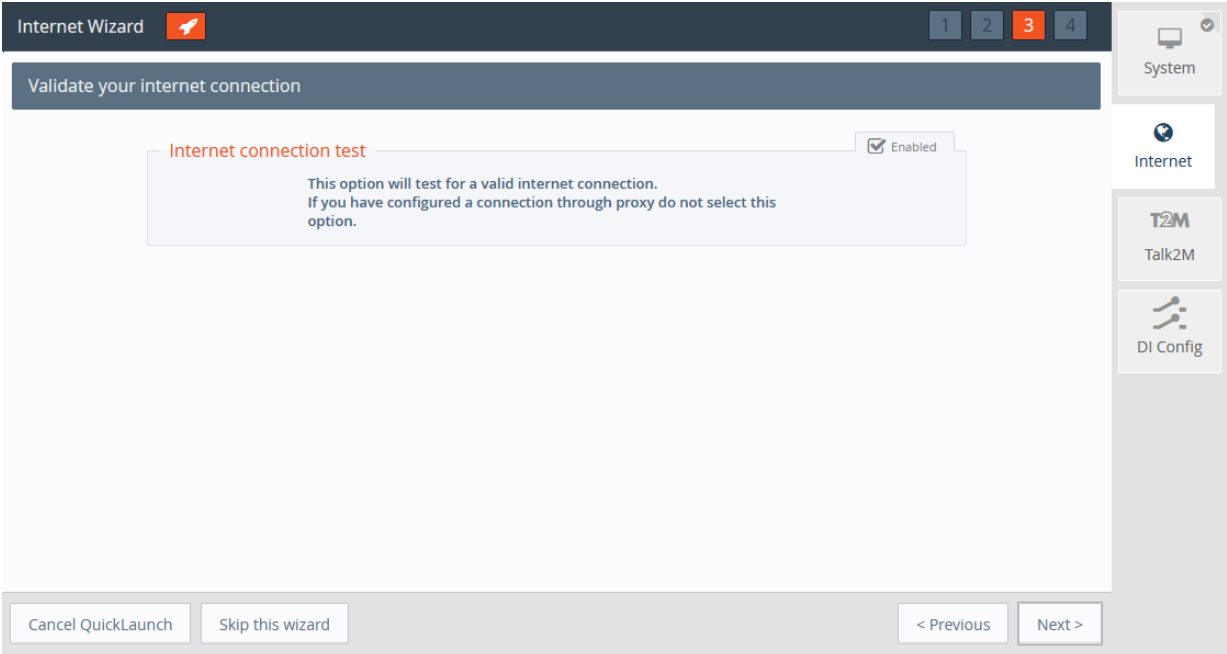


Table 21. Step 3: Validate your internet connection

Internet connection test	If enabled, the Ewon® Cosy+ performs an Internet test to a remote server. By default, it is enabled.
--------------------------	---

WAN Fallback

If a second WAN interface is available (in the case of Ewon® Cosy+ cellular or WiFi), a popup appears at the end of the Internet wizard and offers the possibility to configure this secondary WAN interface.

If you configure the second WAN interface, the Ewon® Cosy+ will switch automatically to this secondary WAN interface in case the primary interface fails.

The configuration of the secondary WAN interface is a replay of the **Internet wizard** where the proposed settings are based on this second WAN interface type.

More info on the WAN Fallback feature in the Flexy & Cosy – WAN Fallback document (refer to [Related Documents \(page 1\)](#)).

6.1.3. Talk2m Wizard

This wizard configures the Talk2m VPN connection settings of the Ewon® Cosy+.

Wizard configuration

1 2 3

Talk2M



Register with ACTIVATION KEY

Use the eWON "Activation Key" provided by eCatcher.
The eWON must first be defined in eCatcher.

Activation Key:



Register with eWON NAME

Use the eWON Talk2m name and your Talk2m login and password.

Cancel < Previous Next >

System

Internet

T2M
Talk2M

DI Config

Table 22. Step 1: Talk2m

Register with ACTIVATION KEY	The Ewon® Cosy+ will establish a connection to Talk2m based on the activation key or the global activation key retrieved from the Ecatcher application.
Register with Ewon NAME	<p>The Ewon® Cosy+ will establish a connection to Talk2m based on different criteria, set in the Ecatcher application, such as:</p> <ul style="list-style-type: none"> • The Talk2m account name • The Ewon name set in the Ecatcher application • A Talk2m username • A Talk2m user password
Talk2m Connectivity Validation	<i>Talk2m Connectivity Validation</i> is used to test or modify the VPN connection settings when the device has already been configured. This option only appears if the Talk2m settings have been previously configured.

Wizard configuration

123

Proxy config

Connect via HTTP proxy

Enable this option only if you are connected to Internet via proxy (ask your network administrator)

Proxy server IP address
(not proxy name):

Proxy server port:

8080

Username:

User Password:

Proxy with basic authentication

No proxy

Proxy with basic authentication

Proxy with NTLM authentication

Proxy without authentication

Advanced parameters

View

Cancel

< Previous

Next >

System

Internet

T2MTalk2M

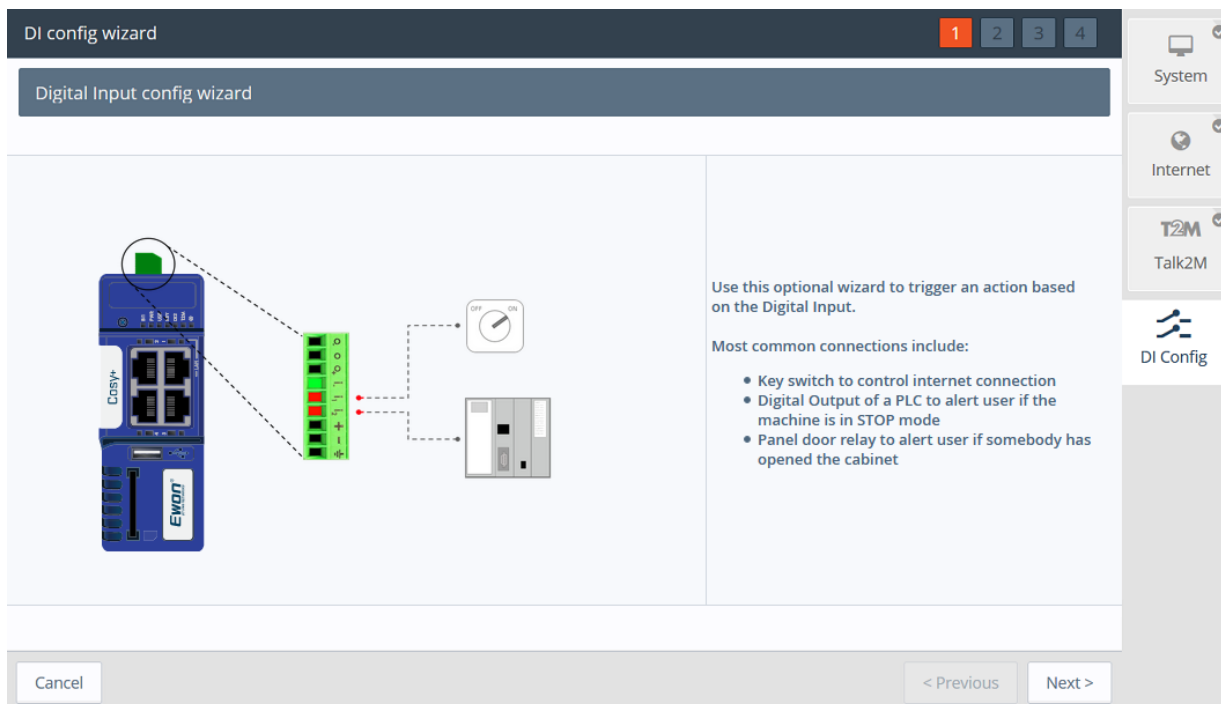
DI Config

Table 23. Step 2: Proxy config

Connect via HTTP proxy	You should check this setting if the Ewon® Cosy+ is behind a proxy.
Force to TCP	If enabled, the Ewon® Cosy+ will be forced to use TCP to communicate to Talk2m servers.

6.1.4. DI Config Wizard

This wizard configures the **Digital input** of the Ewon® Cosy+.



You can use the **DI** to send notifications or control the remote access of the Ewon® Cosy+.

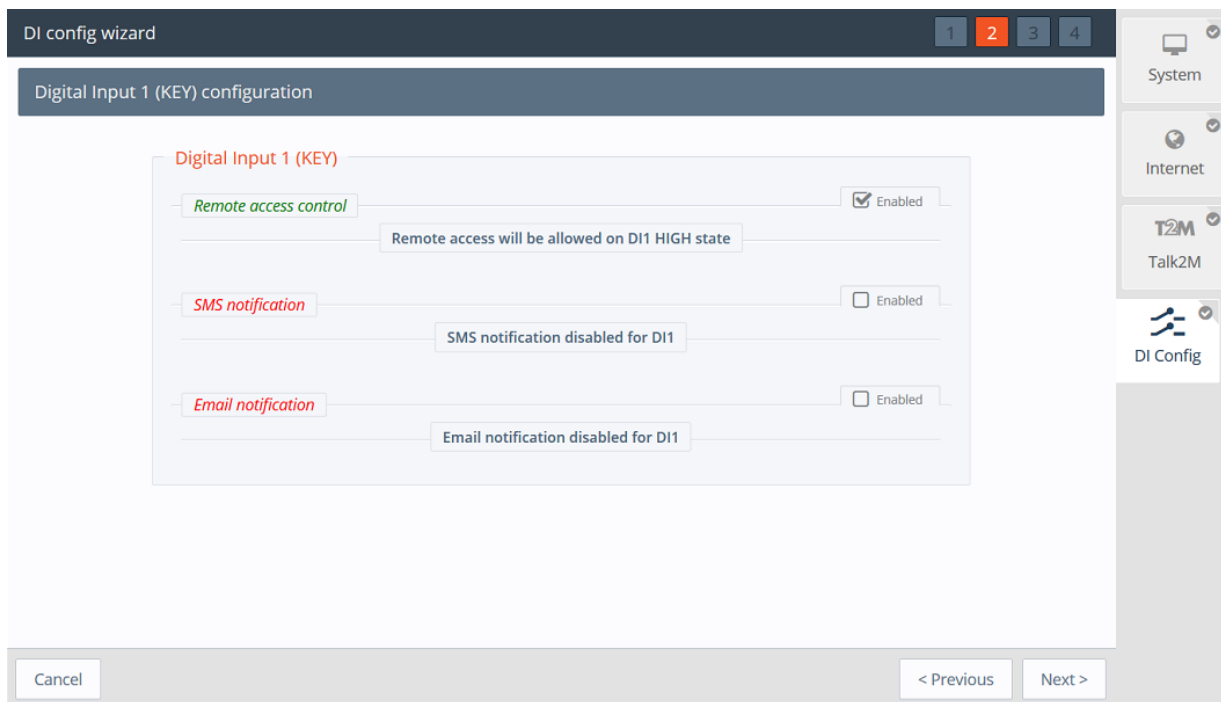


Table 24. Digital Input 1 (KEY) configuration

Remote access control	If enabled, the remote access is activated only when DI1 state is High .
SMS notification	<p>If enabled, an SMS is sent when the DI1 state is High.</p> <p>You must fill in two fields:</p> <ul style="list-style-type: none"> The phone number(s) (including country code/dial) If you must provide multiple numbers, separate them by a comma (,). There is a maximum of 40 characters for this field. The content of the SMS. This field is limited to 134 characters. <p>The SMS is sent through the Talk2m relay. You will be charged for this SMS from your Talk2m account credit.</p>
Email notification	<p>If enabled, an email is sent when the DI1 state is High.</p> <p>You must fill in three fields:</p> <ul style="list-style-type: none"> The recipients. If you must provide multiple recipients, separate them by a comma (,). There is a maximum of 80 characters for this field. The subject of the email. This field is limited to 34 characters. The content of the email. This field is limited to 134 characters. <p>The email is sent through the Talk2m relay.</p>

The screenshot shows the 'DI config wizard' interface with four steps (1, 2, 3, 4) at the top. Step 2, 'Digital Input (KEY) configuration', is active. The interface is divided into two main sections: 'SMS notification' and 'Email notification', both with 'Enabled' checkboxes.

SMS notification section:

- Phone number(s):** 04470123456789. Below the input field, it states: 'Maximum 40 characters, phone numbers separated by ',' (Example: 004470123456789,00140012345678)'.
- SMS body:** DI of eWON has been activated. Below the input field, it states: 'Maximum 134 characters (Example: DI1 of eWON has been activated)'.
- A summary box states: 'An SMS will be sent on DI1 HIGH state. The SMS will be sent via Talk2M Relay and charged to your talk2M account'.

Email notification section:

- Email recipient(s):** test@hms.se. Below the input field, it states: 'Maximum 80 characters (Example: sales@hms-networks.com,support@hms-networks.com)'.

At the bottom, there are 'Cancel', '< Previous', and 'Next >' buttons. On the right side, a sidebar shows system status icons for System, Internet, T2M, Talk2M, and DI Config.

Table 25. Digital Input 2 (DI2) configuration

SMS notification	<p>If enabled, an SMS is sent when the DI2 state is High.</p> <p>You must fill in two fields:</p> <ul style="list-style-type: none"> • The phone number(s). If you must provide multiple numbers, separate them by a comma (,). There is a maximum of 40 characters for this field. • The content of the SMS. This field is limited to 134 characters. <p>The SMS is sent through the Talk2m relay. You will be charged for this SMS from your Talk2m account credit.</p>
Email notification	<p>If enabled, an email is sent when the DI2 state is High.</p> <p>You must fill in three fields:</p> <ul style="list-style-type: none"> • The recipients. If you must provide multiple recipients, separate them by a comma (,). There is a maximum of 80 characters for this field. • The subject of the email. This field is limited to 34 characters. • The content of the email. This field is limited to 134 characters. <p>The email is sent through the Talk2m relay.</p>

**NOTICE**

If the **Digital Input 1** controls the remote access of the Ewon® Cosy+, the notifications configured for **DI2** are sent only if **DI1** state is High and the Ewon® Cosy+ has established the VPN connection to Talk2m.

6.2. System Section

The System area allows the configuration of all system parameters of the Ewon® Cosy+.

This section has a high impact on the behavior of the Ewon® Cosy+, mainly from a communication point of view.

6.2.1. Main

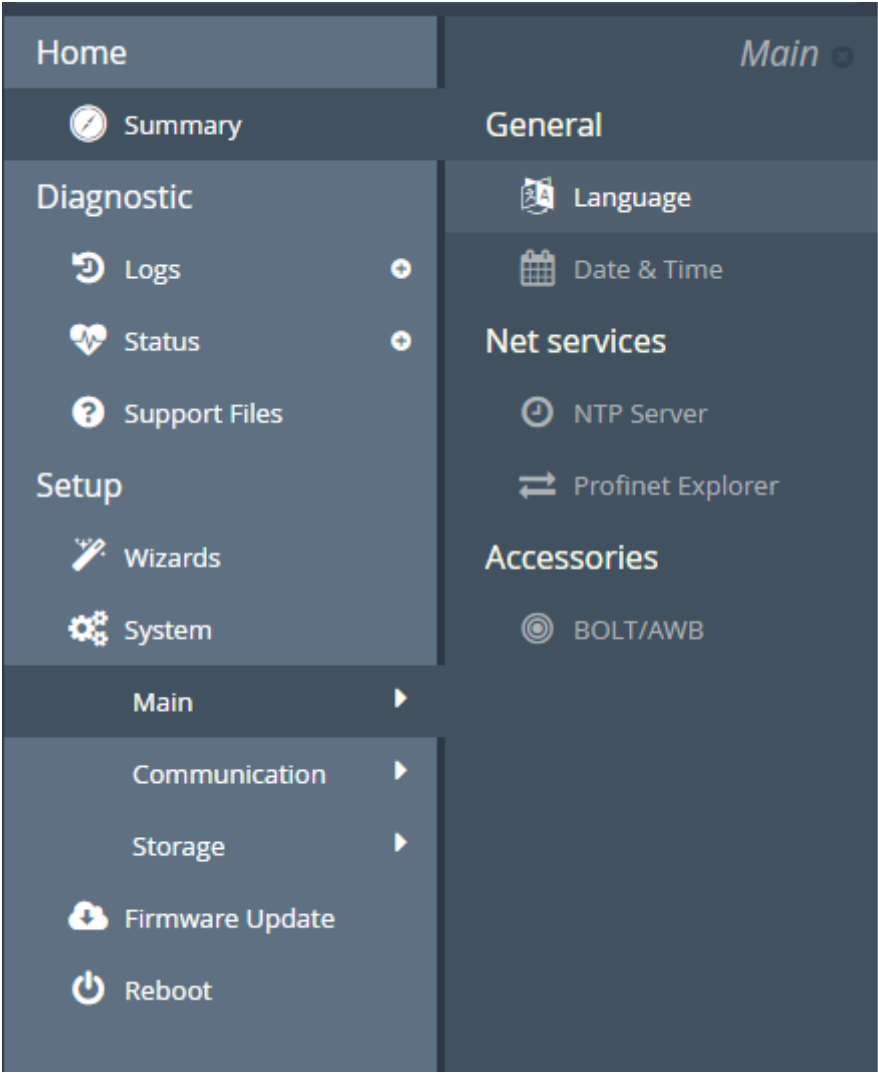


Table 26. General section

Language	Language selection of the web interface. The Ewon® Cosy+ will ask for a reboot when you apply the modification.
Date &Time	The settings are the same than the ones proposed in the System wizard (page 12) .



NOTICE

If you update the date and time, you might see duplicated events in the log files of the Ewon® Cosy+ stored in a non-chronological order.

Table 27. Net Services

Enable NTP Server	<p>Sets the Ewon® Cosy+ as an NTP server to share its date and time with its LAN devices.</p> <div data-bbox="331 315 400 394"> </div> <p>NOTE If you wish to configure the Ewon® Cosy+ as an NTP relay, you must set the Ewon® Cosy+ as an NTP client and as an NTP server. By doing so, the Ewon® Cosy+ will retrieve the Date & Time from a remote NTP server and share it with its LAN devices.</p>
Profinet Explorer	<p>The Profinet Explorer scans the LAN interface of the Ewon® Cosy+ to automatically discover all Profinet devices.</p> <ul style="list-style-type: none"> • Filter: The keyword to find in the columns. All columns are taken into consideration. • Refresh: This action performs a discovery of the available Profinet devices on the LAN interface. The Network scan starts only when the user clicks the Refresh button. • Edit Device Properties: Allows the modification of the selected Device Name. • MAC Address: The MAC address of the Profinet device. • Device Type: The model of the Profinet device. The description is the one provided by the Profinet device itself on the network. • IP Address: The IP address of the Profinet device. • Subnet Mask: The subnet mask set for the Profinet device. • Gateway: The gateway set for the Profinet device. • Vendor ID: The manufacturer identification of the Profinet device. You can find more information on the Profibus web page. • Device ID: The device identification of the Profinet device. You can find more information on the Profibus web page.

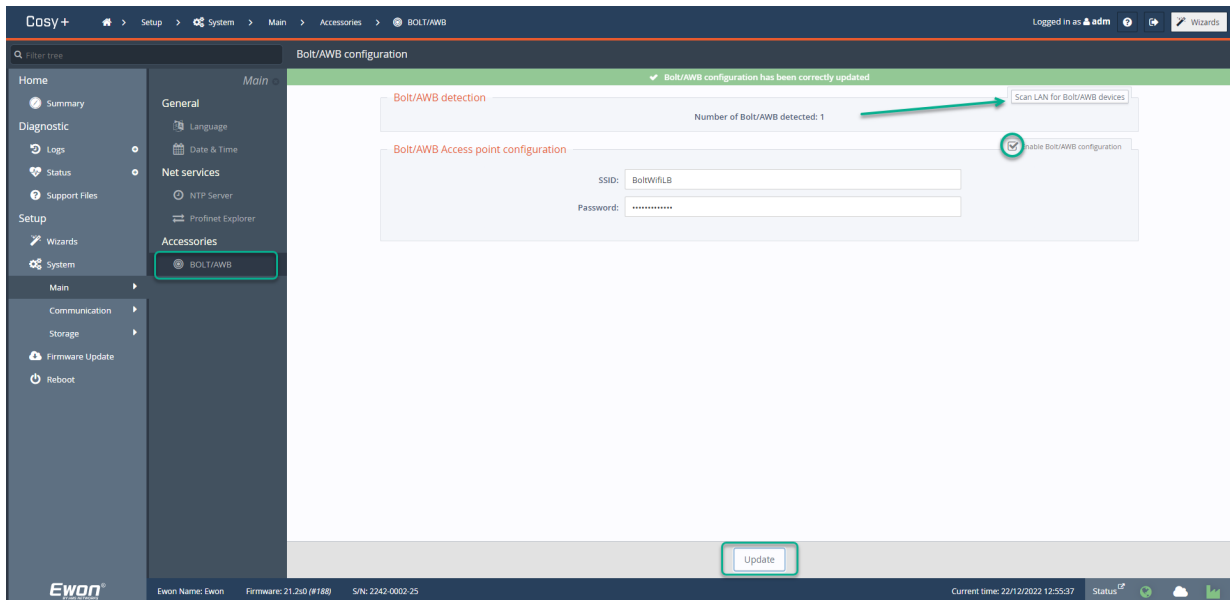


Table 28. BOLT/AWB Generic configuration & detection

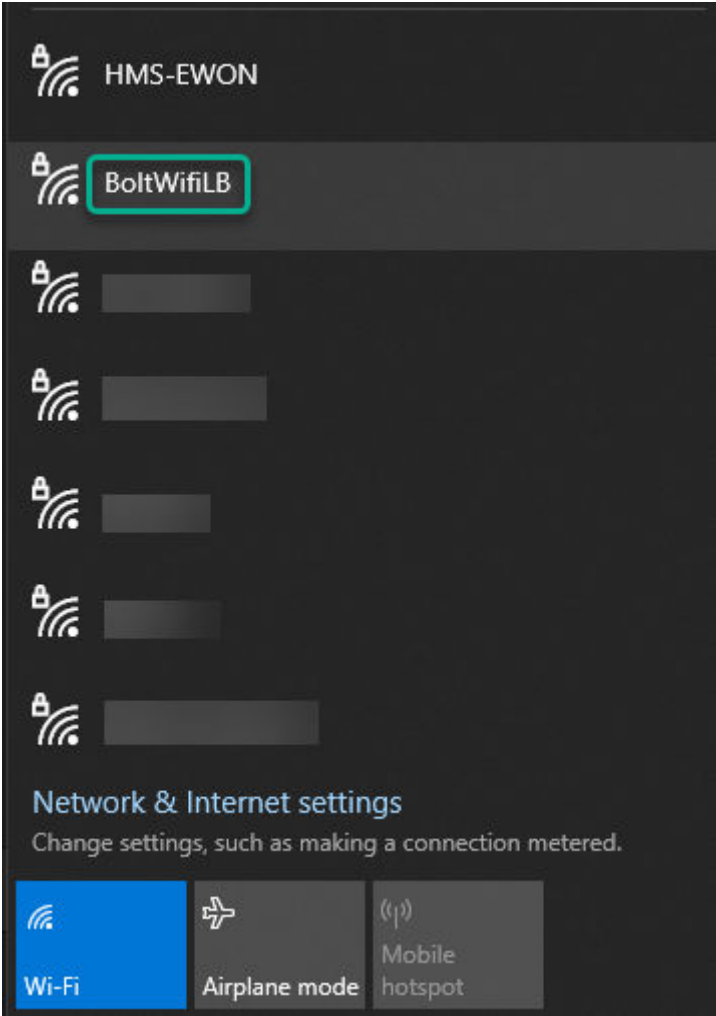
Scan LAN for Bolt/AWB devices	By clicking the “Scan LAN for Bolt/AWB devices” button, the Ewon® Cosy+ scans its LAN ports to detect any Bolt devices.
Enable Bolt/AWB configuration	If enabled, the configuration panel of the Bolt will appear.
SSID	The name of the WiFi network that will be broadcast to access the Ewon® Cosy+ and its LAN devices.
Password	This field sets the password to protect the WiFi network.

Table 29. Bolt/AWB Detailed view

Security	The security level applied to the Ewon® Cosy+: <ul style="list-style-type: none">• None• WPA/WPA2 PSK
DHCP Server	This sets whether a DHCP server should exist and which device should it be: <ul style="list-style-type: none">• DHCP server on Bolt: the Bolt device is used as DHCP server.• DHCP server on this device: the Ewon® Cosy+ is used as DHCP server.• None: there is no DHCP server.
DHCP start IP	The DHCP server can distribute IP addresses starting from the one indicated in this field. This field is available if “DHCP Server” is different than None.
DHCP end IP	The DHCP server can distribute IP addresses until the one indicated in this field. This field is available if “DHCP Server” is different than None.
Check DHCP IP range	By clicking this button, the Ewon® Cosy+ checks if the IP range determined by “DHCP start IP” and “DHCP end IP” is available.

Table 30. Bolt/AWB specific configuration

Hostname	Give the Bolt a symbolic name.
Bolt LAN IP	Give the Bolt device an IP address.
Check LAN IP	Checks if the IP address ifs valid and available.



6.2.2. Communication

This section includes all the communication settings of the Ewon® Cosy+.

These settings are separated from the **Main** area as the communication parameters are stored separately. This separation allows you to format the Ewon® Cosy+ flash file system without affecting the communication settings.

1. **General:** This section allows the configuration of the local interfaces (Ethernet LAN and USB Port), USBIP, Routing, ... all communications parameters.
2. **Networking:** This section defines the NAT 1:1 routing.

The screenshot displays the Ewon Cosy+ web interface. On the left, a sidebar menu contains options like Home, Summary, Diagnostic, Logs, Status, Support Files, Setup, Wizards, System, Main, Communication, Storage, Firmware Update, and Reboot. The 'Communication' menu is highlighted with a green box, and its sub-items (General, Local, USBIP, Networking, Routing) are visible. The main content area is titled 'LAN Settings' and shows the 'Address Setup' section with fields for IP address (10.0.0.53) and Subnet mask (255.255.255.0). Below this is the 'Wifi Local Access point' section, which includes fields for Network name (SSID), Password, and Confirm Password, along with a checkbox for 'Enable SSID Broadcast'. The 'Advanced Parameters' section for the access point shows 'Channel' set to 0 (auto) and 'Encryption mode' set to WPA2. The 'DHCP server on LAN' section is also visible, with a warning message: 'Important: Do NOT enable the DHCP server on the Ewon LAN ethernet interface if there is another DHCP server running on the ethernet LAN network.' The DHCP server IP range is set from 10.0.0.1 to 10.0.0.7. The 'Advanced Parameters' for the DHCP server show 'Lease time' set to 3600 Sec, 'DNS Relay enabled' checked, and 'DNS1' and 'DNS2' set to 0.0.0.0. The 'DHCP LAN Filtering' checkbox is unchecked.

Figure 4. Communication menu:

Table 31. General: Local

Address Setup	<p>The method of LAN IP addressing :</p> <div style="background-color: #f0f0f0; padding: 10px; margin: 10px 0;">  NOTICE Changes here are applied at the next reboot. </div> <ul style="list-style-type: none"> • Static: the manual configuration of all network parameters • BootP: some parameters are already set by the BootP server. • DHCP: all parameters are set automatically by the DHCP server. <p><i>IP address:</i> The IP address of the Ewon Ewon® Cosy+ on the LAN side. You can change the IP address only when the address setup mode is set to Static.</p> <p><i>Subnet mask:</i> The subnet mask used to determine the address range of the LAN connection.</p>
Wifi Local Access Point	<p>This option is only available for models with a WiFi WAN interface.</p> <p>You can enable this feature if your Ewon® Ewon® Cosy+ is connected to Internet using the WAN Ethernet connection.</p> <ul style="list-style-type: none"> • <i>Network name (SSID):</i> Give a name to your WiFi Local Access Points. • <i>Password:</i> Set the password you will need to connect to the WiFi Local Access Point. • <i>Enable or disable SSID broadcast:</i> If you wish to display or hide the name of your network for the WiFi clients. • <i>Channel:</i> Number of your WiFi network. Keep it on 0 (auto) if you don't know which frequency is the best for your network. • <i>Encryption Mode:</i> set on WPA2
DHCP Server on LAN	<p>On a DHCP network, you can configure the you device to act as a DHCP server for the LAN network.</p> <ul style="list-style-type: none"> • <i>DHCP server IP range:</i> Range of IPs within your LAN. • <i>Lease Time:</i> Time set for the DHCP to provide client's information • <i>DNS Relay Enabled:</i> forwards LAN DNS queries to the Ewon® Cosy+ DNS server. • <i>DNS relay disabled:</i> the DNS needs to be define manually (DNS1, DNS2). • <i>DHCP LAN Filtering:</i> if enabled, DHCP server will be applied only on devices connected through the access point but not on devices connected on the LAN switch.

Table 32. General - USBIP

USBIP setup	If enabled, the USB devices plugged in the Ewon® Cosy+ are accessible.
Log level	<p>The level of the logs.</p> <ul style="list-style-type: none"> • Default value: 0. • Possible values: 1 for some logs; 2 for full logs.
Start port	The first port of the range which is attributed to the devices. The first USB device is shared on the indicated start port, the second one is shared on N+1.
Password	The password protecting the USB to IP interface. If set, the USB device(s) is no longer shown in the Ecatcher application.

Routing setup

NAT 1:1

Mapping: NAT 1:1 on WAN NAT 1:1 on WAN NAT 1:1 on VPN

The NAT 1:1 feature allows the publishing of one device (from your Ewon LAN network) to another network with a different IP address. Warning: Activation of this feature with T2M enables IP forwarding between WAN-LAN (not default behaviour).

☒ Enabled

	Device IP (LAN)	Mapped IP (WAN)	Nickname	Clear
Route 1	0.0.0.0	0.0.0.0		Clear
Route 2	0.0.0.0	0.0.0.0		Clear
Route 3	0.0.0.0	0.0.0.0		Clear
Route 4	0.0.0.0	0.0.0.0		Clear
Route 5	0.0.0.0	0.0.0.0		Clear
Route 6	0.0.0.0	0.0.0.0		Clear
Route 7	0.0.0.0	0.0.0.0		Clear
Route 8	0.0.0.0	0.0.0.0		Clear
Route 9	0.0.0.0	0.0.0.0		Clear
Route 10	0.0.0.0	0.0.0.0		Clear

Example: publish your PLC with IP 10.0.101.208 (LAN) on IP 192.168.59.201 (WAN)

These changes will be effective on next WAN connection

Table 33. Networking - Routing

NAT 1:1	<p>If checked, the NAT 1:1 feature publishes one device (from the Ewon® Cosy+ LAN network) to another network with a different IP address.</p> <p>The activation of this feature with an active Talk2m configuration will enable the IP forwarding between WAN-LAN (which is not the default behavior).</p> <p>Modifications of this table are effective only on the next WAN connection.</p>
Mapping	The interface which will be used by the NAT 1:1.
Device IP (LAN)	The LAN IP address used by the third-party device on the LAN side of the Ewon® Cosy+.
Mapped IP (WAN)	The WAN IP address which will be used by the Ewon® Cosy+ to represent the same third-party device on its WAN side.
Nickname	The name given to this NAT 1:1 rule.
Clear	The possibility to erase and remove the NAT entry.

6.2.3. Storage

This **Tabular Edition** section is used to modify manually all parameters of the Ewon® Cosy+.

1. System Config:

You can access the configuration parameters of the Ewon® Cosy+ under a tabular format.

This section targets the general settings, users, IO servers... Everything that is not linked to communication.

The parameters found in this section are the ones listed in the *config.txt* file. You can retrieve this file via the FTP server of the Ewon® Cosy+.

You can find the definition of all the parameters in the *config.txt* document (refer to [Related Documents \(page 1\)](#)).

2. COM Config

You can access the configuration parameters of the Ewon® Cosy+ under a tabular format. This section targets the communication settings.

The parameters found in this section are the ones listed in the *comcfg.txt* file. You can retrieve this file via the FTP server of the Ewon® Cosy+.

You can find the definition of all the parameters from the *comcfg.txt* file in the *comcfg.txt* document (refer to [Related Documents \(page 1\)](#)).

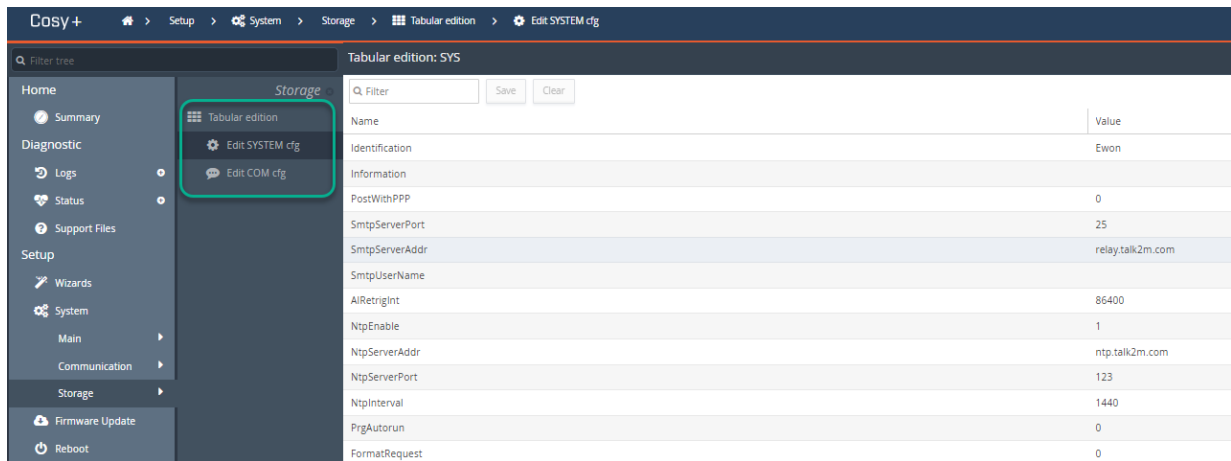


Table 34. 1 - System Cfg

Filter	The keyword to find in the columns. The keyword can be from the Name or the Value columns.
Save	The button to save the new modifications. Multiple modifications can be done before saving them all.
Clear	The button discards the unsaved modifications. This button discards all the modification you made (even if you made multiple ones).
Name	The name of the parameter.
Value	The value of the parameter. You can change the value by double-clicking this field.

Table 35. 2 - Com Cfg

Filter	The keyword to find in the columns. The keyword can be from the Name or the Value columns.
Save	The button to save the new modifications. Multiple modifications can be done before saving them all.
Clear	The button discards the unsaved modifications. This button discards all the modification you made (even if you made multiple ones).
Name+	The name of the parameter.
Value	The value of the parameter. You can change the value by double-clicking this field.

6.3. Firmware Update Section

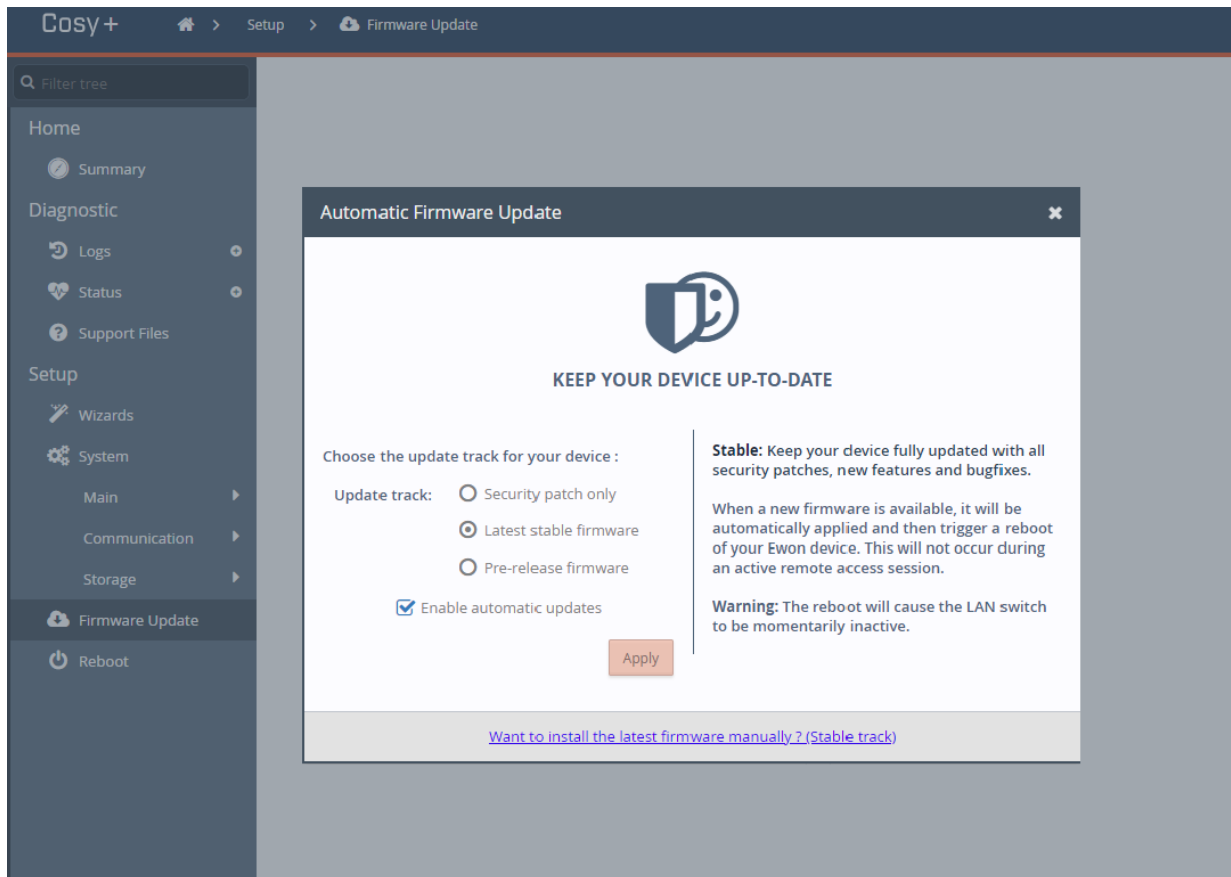
The **Firmware Update** section allows the Ewon® Cosy+ to be automatically up-to-date, without human intervention.

If enabled, the Ewon® Cosy+ will check every 24 hours, after a reboot or a power off/on if a new firmware is available.

This feature displays as a pop-up above the current page the user is browsing.

The Ewon® Cosy+ requires a reboot after each automatic firmware update. The reboot will never occur when a remote user is connected to the Ewon® Cosy+.

You can also use this section to update manually the Ewon® Cosy+ to the latest firmware version without activating the automatic update.



Control	Description
Update track	<p>Checkboxes to:</p> <ul style="list-style-type: none"> • Security patch only • Latest stable firmware • Pre-release firmware <p>To save/apply the modification, you must click on the Apply button.</p>
Enable automatic updates	If enabled, this option will automatically look for and apply the latest firmware update.
Apply	<p>Apply the desired behavior of the automatic firmware update.</p> <p>This button applies the status of the Enable automatic updates box.</p>
Want to install the latest firmware manually?	Update, once, the Ewon® Cosy+ to the latest firmware version available. This does not activate the automatic firmware update. It will trigger a reboot of the Ewon® Cosy+.

If you decide to update your Ewon® Cosy+, a prompt will appear and ask you to confirm that you want to go through the update process.

The upgrade process includes a reboot of the Ewon® Cosy+ at the end of this process.

6.4. Reboot Section

This section allows the reboot of the Ewon® Cosy+.