

Refrigeration Expert XP

Quick installation



Refrigeration Expert XP /10

Remote monitoring and maintenance for small shops, restaurants, warehouses



Compact yet powerful

Ready to use

Flexible

Intuitive

Accessible

Secure

Sustainable



Refrigeration Expert XP quick start

Step by step guide



1 Plan

the installation and collect configuration information before starting.

2 Install

Refrigeration Expert XP in a control panel together with accessories. Connect power supply, serial line and network.

3 Power

Refrigeration Expert XP. Connect your PC with the USB cable and access the user interface with a browser.

4 First login

Refrigeration Expert XP. Optionally upgrade software. Configure "admin" user, owner of the system.

5 System

configuration Networking, messaging, users and localization

6 Plant

configuration Equipment, controllers, alarm management and reporting

Refrigeration Expert XP quick start



1 Plan | Collect information

Check

Where to install Refrigeration Expert XP and accessories
Do I need a panel ? Do I need a 24V power supply?

Ethernet connectivity settings

SMTP server settings for email delivery

Plan the controller models and serial addresses.
Serial address will determine the ordering in the equipment list.

Users and recipients email addresses for notification and scheduled reports

Check availability of Refrigeration Expert XP software upgrade

Collect

Accessories: panel, power supply, UPS, modem/router

IP address, Network mask, Gateway IP, primary and secondary DNS

Server authentication , address, port, account name and password, sender email address, server security

List of controller models, serial addresses, description and relevant resources to be recorded

List of user's email, names and roles; list of email addresses for notification and report recipients

Upgrade file (.raucb) from www.eliwell.com > Software centre

Refrigeration Expert XP quick start

1 Plan | Where to install

Independent installation



In an existing control panel



Size the panel according to the required accessories



Refrigeration Expert XP
4 DIN



Power Supply
24V 15W
1 DIN



Alarm Module
TelevisOut
4 DIN



Router
Ethernet
LAN-WAN



Router 4G,
WiFi, Ethernet
LAN-WAN



24V UPS



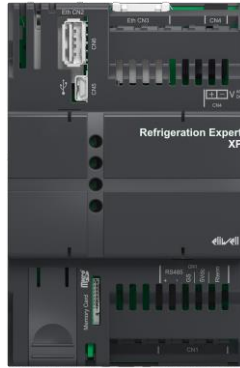
UPS Battery

Refrigeration Expert XP quick start

1 Plan | Parts available from Eliwell



ABLM1A24006
Schneider Electric
POWER SUPPLY
24V 0.6A MODULAR



RXB01000E0000
Refrigeration Expert XP /10



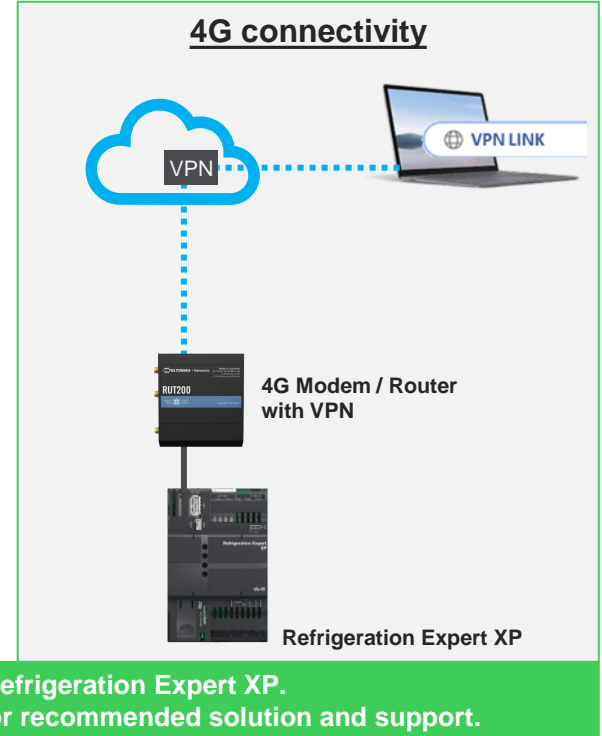
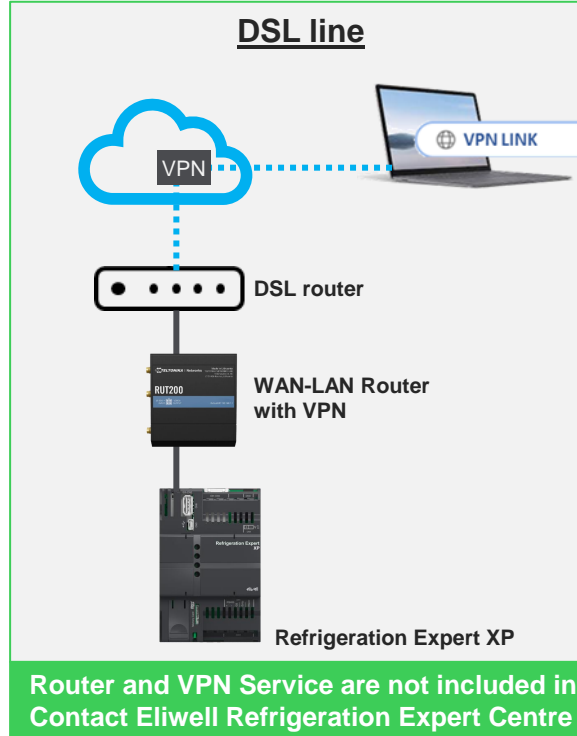
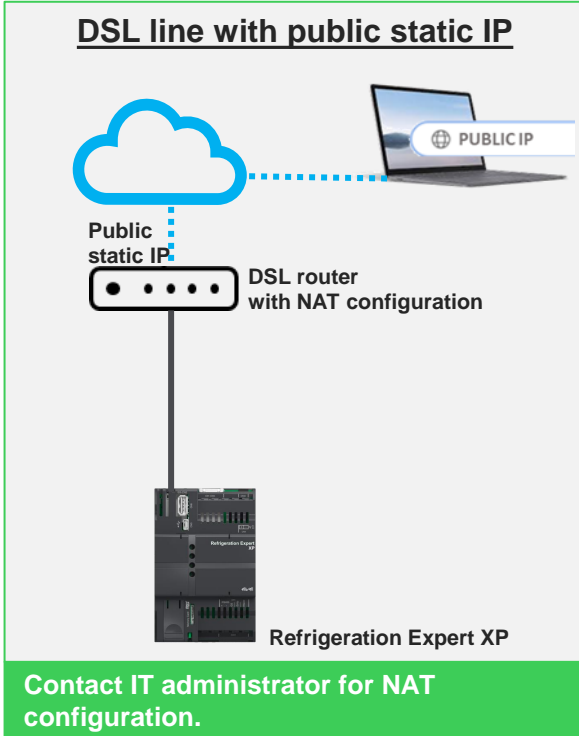
TAMOD602RS700
TelevisOut 100-240Vac



SAM4GW000AA00
Teltonika
ROUTER 4G LTE W/ANT PSU RUT 200
Including power supply and antennas

Refrigeration Expert XP quick start

1 Plan | Internet connectivity and remote access

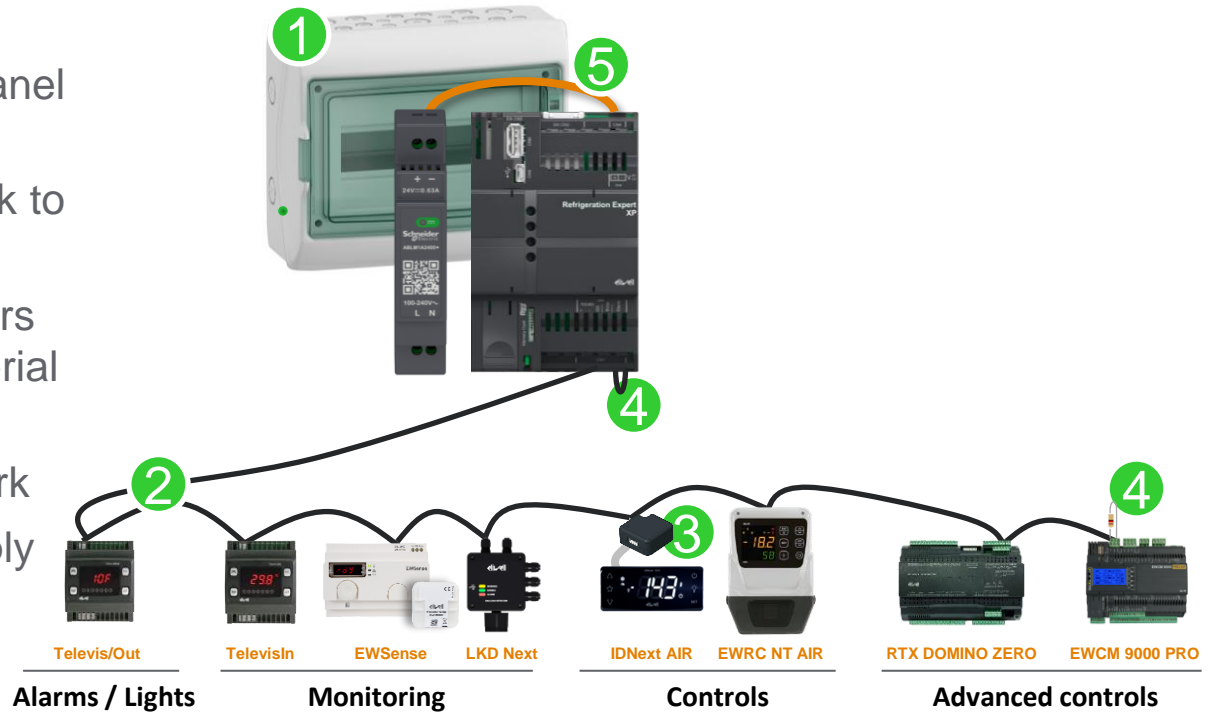


Refrigeration Expert XP quick start



2 Install | Refrigeration Expert XP and accessories

1. Install in a convenient DIN panel
2. Connect the twisted shielded cable controller serial network to the RS-485 port
3. Use BusAdapter for controllers not provided with RS-485 serial port
4. Terminate the RS-485 network
5. Connect the 24V power supply

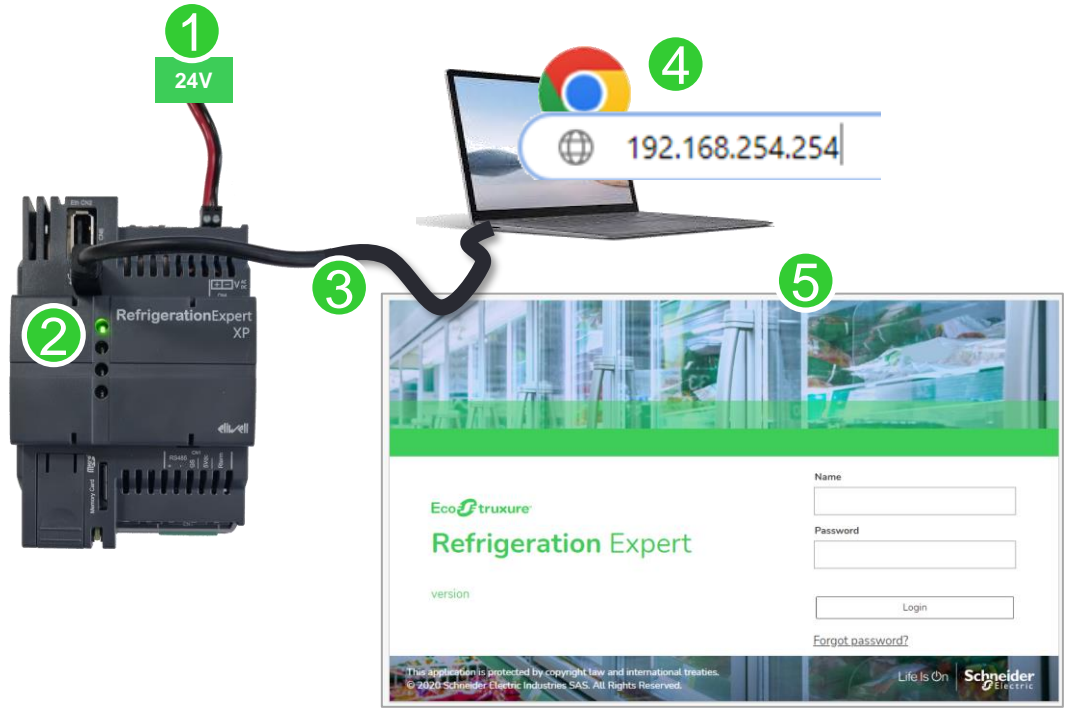


Refrigeration Expert XP quick start



3 Power | Refrigeration Expert XP and connect with your PC

1. Power Refrigeration Expert XP
2. Wait a minute for the system to boot
3. Connect your PC with the mini USB cable provided
4. Open thje web browser and type <https://192.168.254.254> in the address bar
5. In few seconds the login page loads



Refrigeration Expert XP quick start



4 First Login | Set the «admin» user password

Refrigeration Expert XP «admin» user is a special user that impersonate the owner and administrator of the equipment and the data contained in it:

- can operate on all system and connectivity settings
- manage all other users and create new ones
- manage backup protection key and perform system restore
- can manage software upgrades
- cannot be removed or disabled
- can reset its own password with a secure procedure and only having physical access to Refrigeration Expert XP device

“admin” user is not intended for normal operativity of the system therefore all functionalities and configuration panels related to the controllers and equipment are not available for this account.

Refrigeration Expert XP quick start

4 First Login | Set the «admin» user password

1. Select the user interface language for this session
2. Log-in with User name: «admin»; password: «EW_RefrigerationExpert»
3. Enter a new valid password for the «admin» user and Save it
4. You are now in the SYSTEM configuration menù

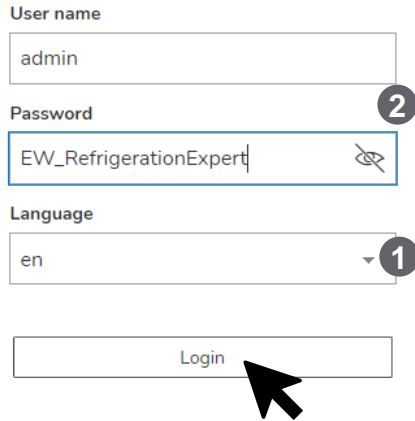
User name

Password

Language

en

Login

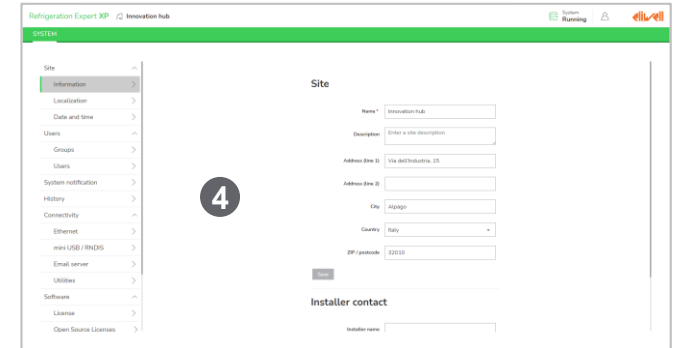


Change password

New password

Repeat password

Save



Refrigeration Expert XP Quick Start

4 First login | Software upgrade (2 of 4)

SYSTEM

- Users
- Groups
- Users
- System notification
- History
- Connectivity
 - Ethernet
 - mini USB / RNDIS
 - Email server
 - Utilities
- Software
- License
- Open Source Licenses
- Upgrade**
- Certificates
- Backup and restore
- Support

File upload

Choose the firmware file to upload into a micro SD/USB

Scegli il file

Destination selection

File selected 171.05 MB

mmcblk0p1 (space available: 7465.91 MB)

- Go to **Software > Upgrade** menù
- Upload the upgrade file received from Eliwell (.raucb file type)
- Select the destination volume: mmcblk0p1
- If correctly uploaded, the file will be listed as follows:

Available firmware files detected in micro SD/USB

microSD Card 0


Version	Name	
v1.0.1	rex-v1.0.1.raucb	<input type="button" value="Install this version"/> <input type="button" value="Delete"/>

Refrigeration Expert XP Quick Start

4 First Login | Software upgrade (3 of 4)

SYSTEM	
Users	^
Groups	>
Users	>
System notification	>
History	>
Connectivity	^
Ethernet	>
mini USB / RNDIS	>
Email server	>
Utilities	>
Software	^
License	>
Open Source Licenses	>
Upgrade	>
Certificates	>
Backup and restore	>
Support	>

microSD Card 0

Version	Name		
v1.0.1	rex-v1.0.1.raucb	Install this version	

Install new firmware

By clicking on INSTALL your file **rex-v1.0.1.raucb** will be installed as a new firmware on this machine. Installation process can't be interrupted once it runs.

The web application will be restarted at the end of the process.

Skip data migration, migrate network configuration only

Install

Cancel

Installation process

The procedure will take a few minutes and cannot be interrupted. Do not close this page until the process is complete. The web application will be restarted at the end of the process.

- Click on «Install this version»
- By default all settings and data are maintained

If you want to perform a clean install removing all data and settings, switch-on the slider



keep



delete

- Then proceed with «Install»

Life Is On

Refrigeration Expert XP Quick Start

4 First Login | Software upgrade (4 of 4)

SYSTEM

- Users
- Groups
- Users
- System notification
- History
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 - Ethernet
 - mini USB / RNDIS
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- Software
 - License
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 - Certificates
 - Backup and restore
 - Support


Installation process

The procedure will take a few minutes and cannot be interrupted. Do not close this page until the process is complete. The web application will be restarted at the end of the process.

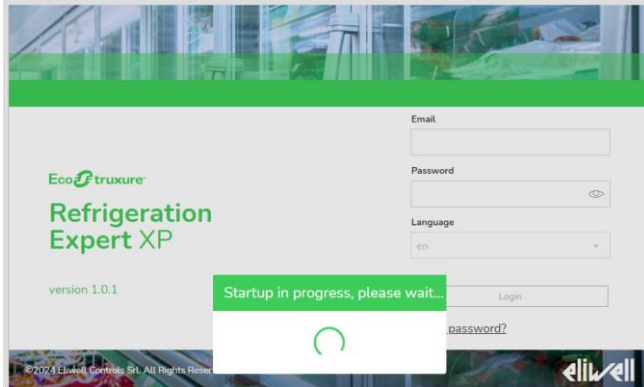
Installation successful

New firmware installation completed successfully. The device is being restarted.

The page will automatically refresh within few minutes.



192.168.254.254




Eco2truxure
Refrigeration Expert XP
version 1.0.1

Startup in progress, please wait...

Email
Password
Language
en

Login

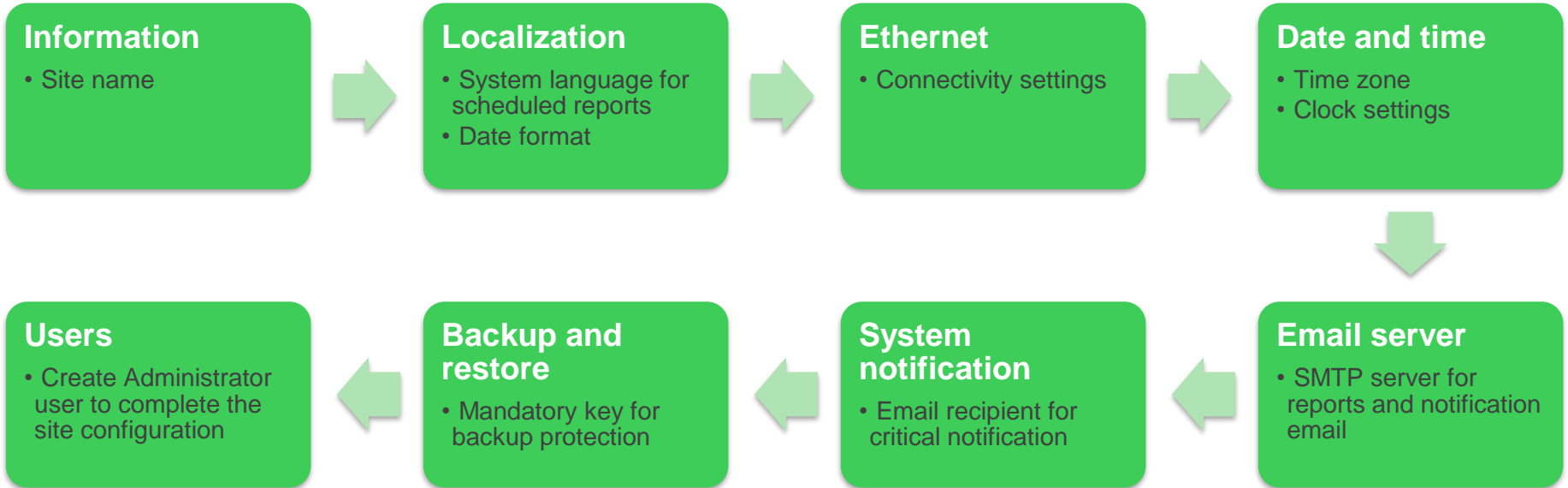
password?



- Follow the steps and wait until the new version is installed
- Refrigeration Expert XP is automatically rebooted
- After the reboot, re-open the default page: <https://192.168.254.254>
- Re-start from «admin» password configuration if you deleted all the data

Refrigeration Expert XP Quick Start

5 Site configuration | Walk through the key settings



Refrigeration Expert XP Quick Start



5 Site configuration | Information : set Site Name

SYSTEM

- Site ^
- Information >
- Localization >
- Date and time >
- Users ^
- Groups >
- Users >
- System notification >
- History >
- Connectivity ^
- Ethernet >
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software ^
- License >
- Open Source Licenses >

Type and Save the **Site Name** that will be used to identify this installation.

All other fields are optional and can be filled anytime later.

Site

Name *



Refrigeration Expert XP Quick Start

5 System configuration | Ethernet : configure Ethernet connectivity

SYSTEM

- Users >
- Groups >
- Users >
- System notification >
- History >
- Connectivity >
- Ethernet >**
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software >
- License >
- Open Source Licenses >
- Upgrade >
- Certificates >
- Backup and restore >
- Support >

Configure network and internet connectivity with a **static IP address**; otherwise choose **DHCP** if the IP address is automatically assigned from the router.

The factory setting is for static IP

IP Address: 192.168.1.3
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1

Ethernet ports

If DHCP is enabled, network parameters are not editable

DHCP

IP Address settings

IP Address

Subnet Mask

Gateway

DNS 1

DNS 2

Apply



Life Is On

Refrigeration Expert XP Quick Start



5 System configuration | Configure SMTP server for email notification and reports

SYSTEM

- Users >
- Groups >
- Users >
- System notification >
- History >
- Connectivity >
- Ethernet >
- mini USB / RNDIS >
- Email server >**
- Utilities >
- Software >
- License >
- Open Source Licenses >
- Upgrade >
- Certificates >
- Backup and restore >
- Support >

Email server

Authentication * Plain Login

Address * smtp.provider.com

Port * 25

Sender address * sender@provider.com

Account name username

Account password ••••••••

Security None SSL StartTLS

Skip certificate verification

Save

Configure the **SMTP email server** settings. Email server is needed to deliver **email notification** and **scheduled reports**.

You can immediately test the functionality by sending a test email to your email address.

Test utility

Address * recipient@company.com

E-mail test

Refrigeration Expert XP Quick Start

5 System configuration | Set language and date format for reports and notification

SYSTEM

- Site >
- Information >
- Localization >
- Date and time >
- Users >
- Groups >
- Users >
- System notification >
- History >
- Connectivity >
- Ethernet >
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software >
- License >
- Open Source Licenses >

Configure the **system language** and the date format that will be used in scheduled **reports** and to compose **email** messages delivered by the system.

Note that all user defined text (names and descriptions typed during the configuration) are not translated by the system.

Localization

System language * en

Date format * DD/MM/YYYY HH:mm



Refrigeration Expert XP Quick Start

5 System configuration | Set the correct Time Zone



SYSTEM

- Site ^
- Information >
- Localization >
- Date and time >**
- Users ^
- Groups >
- Users >
- System notification >
- History >
- Connectivity ^
- Ethernet >
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software ^
- License >
- Open Source Licenses >

Date and time settings

Current date and time

Date	Time	Time zone
July 17, 2024	11:02	Europe/Rome

Europe/Rome

SET

Network Time Protocol (NTP)

ENABLE DISABLE

Synchronize with PC

Sync



Configure the **time zone**. All data recorded by Refrigeration Expert XP in this site will be reported according to this time zone.

By default the clock is automatically updated connecting to an internet NTP server.

If internet connectivity is not available for Refrigeration Expert XP, disable the NTP server and synchronize the clock periodically with your PC using «Sync» button.

Refrigeration Expert XP Quick Start

5 System configuration | Set the recipient for critical alarms from the system



SYSTEM

- Users >
- Groups >
- Users >
- System notification >**
- History >
- Connectivity >
- Ethernet >
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software >
- License >
- Open Source Licenses >
- Upgrade >
- Certificates >
- Backup and restore >
- Support >

Enter a **recipient for critical alerts** about this installation.

In case Refrigeration Expert XP identifies a critical situation, for example the microSD card is removed, or the internal memory is corrupted, a notification message is sent to this email recipient.

System notification

Enter a recipient who will receive critical system notifications, regardless of the alarm categories configuration. Notifications are sent once a day. Requires email settings to be configured.

Email address

E-mail test

Save



Refrigeration Expert XP Quick Start

5 System configuration | Set the backup protection key

SYSTEM

- Users >
- Groups >
- Users >
- System notification >
- History >
- Connectivity >
- Ethernet >
- mini USB / RNDIS >
- Email server >
- Utilities >
- Software >
- License >
- Open Source Licenses >
- Upgrade >
- Certificates >
- Backup and restore >**
- Support >

Backup and restore

Press the "Configure key" button to set a new key to protect future backups generated by this system. Without a configured key it's not allowed to generate a backup.

Copy the generated key. This key is necessary to restore the backups files generated from now on by this system.

Backup key *

Backup key not set



Configure key



Backup functionality enable to completely clone a device.

When restoring a backup file, the destination device will be an exact copy of the backup one, except for Ethernet setting and the «admin» password that are not replaced.

Backup and restore functionality enable to create a copy of all configuration and data. As this may contain personal data, **backup files are encrypted with the Backup key.**

It is mandatory to configure the backup key to enable backup functionality for this system.

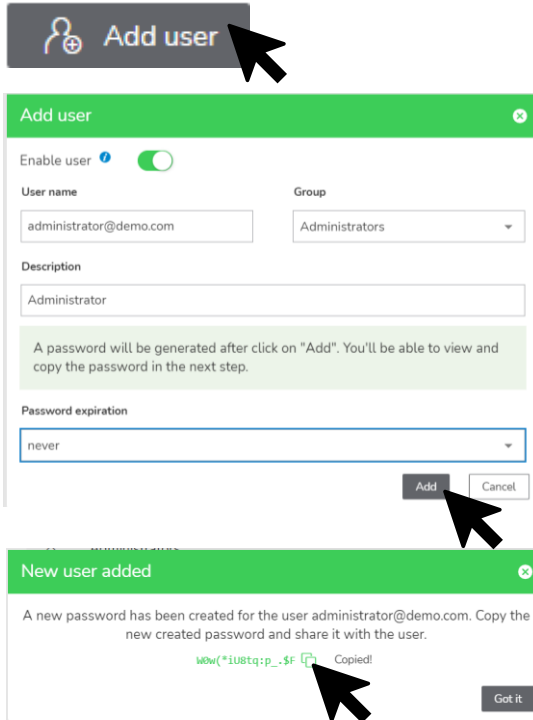
You must know the backup key to restore a backup file in the same device or a new one.

Refrigeration Expert XP Quick Start

5 System configuration | Create an Administrator user

SYSTEM

- Site
- Information
- Localization
- Date and time
- Users
- Groups
- Users
- System notification
- History
- Connectivity
- Ethernet
- mini USB / RNDIS
- Email server
- Utilities
- Software
- License
- Open Source Licenses



Add user

Enable user

User name: administrator@demo.com Group: Administrators

Description: Administrator

A password will be generated after click on "Add". You'll be able to view and copy the password in the next step.

Password expiration: never

Add Cancel

New user added

A new password has been created for the user administrator@demo.com. Copy the new created password and share it with the user.

Ww(*iU8tq:p_.\$f [7] Copied!

Got it

Create a user in the «Administrators» group.

Administrators can operate any System setting and configure equipment, alarms and other users.

Username must be an email address.

When the user is added, you will get a temporary password that must be copied and used at first login for the new user.

6 Plant configuration | Login as Administrator user

Log-out as «admin» user and log-in with the newly created Administrator user.



- User manager
- Change password
- Logout

User name
administrator@demo.com

Password
.....

Language
en

Login

Change the temporary password with a personal one

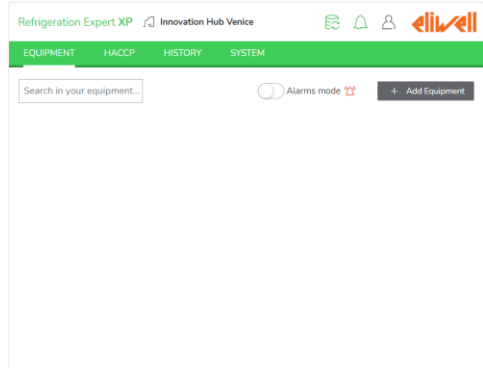
Change password

New password
.....

Repeat password
.....

Save

Welcome to Refrigeration Expert XP !



Refrigeration Expert XP Innovation Hub Venice

EQUIPMENT HACCP HISTORY SYSTEM

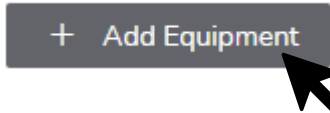
Search in your equipment... Alarms mode + Add Equipment

Refrigeration Expert XP Quick Start

6 Plant configuration | Add Equipment (1 of 3)



- Click on **Add Equipment**



- Select the addresses to scan for controller presence and click **Continue**

By default Refrigeration Expert propose controllers Auto-discovery functionality that require the controllers are connected, powered and correctly configured with a valid serial address.

As an alternative, you can add a known model of controller by choosing the Model from the list.

Address	00	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
120	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
130	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
140	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
150	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
160	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Refrigeration Expert XP Quick Start

6 Plant configuration | Add Equipment (2 of 3)

When all the controllers are detected click on Continue

Searching connected equipment...

Name	Address
IDNext 978 P/B	1 (00:01)
IDPlus 974	2 (00:02)
	3 (00:03)
	4 (00:04)
	5 (00:05)
	6 (00:06)

Stop and Continue Cancel

From the summary you can edit the Name or just go ahead and Add the equipment

2 Equipment to add

<input checked="" type="checkbox"/>	Name	Model	Equipment Profile	Address
<input checked="" type="checkbox"/>	IDNext 978 P/E	IDNext 978 P/B	IDNext 978 P/B (syst	1 (00:01)
<input checked="" type="checkbox"/>	IDPlus 974	IDPlus 974	IDPlus 974 (system)	2 (00:02)

Add equipment Cancel

Refrigeration Expert XP Quick Start

6 Plant configuration | Add Equipment (3 of 3)



Equipment are successfully added; data and alarm collection is already active thanks to Eliwell default configuration that you can easily modify in the next steps.

Equipment real time data

Alarms mode

Refrigeration Expert XP | Innovation Hub Venice | System Running | Alarm Active | Administrator | Eliwell

EQUIPMENT | HACCP | HISTORY | SYSTEM

Search in your equipment... Alarms mode + Add Equipment

<input type="checkbox"/> IDNext 978 P/B 00... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> IDPlus 974 00... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Control probe 1 56.1	Analogue input (display) 1 51.2
Defrost probe 1 0.0	Analogue input (display) 2 ***
	Digital input 1 0

Equipment Alarm status

Alarms mode

Refrigeration Expert XP | Innovation Hub Venice | System Running | Alarm Active | Administrator | Eliwell

EQUIPMENT | HACCP | HISTORY | SYSTEM

Search in your equipment... Show confirmed alarms Alarms mode Alarm manager

<input type="checkbox"/> IDNext 978 P/B 00... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> IDPlus 974 00... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input type="checkbox"/> High analogue input thresh... 27:26	<input type="checkbox"/> <input type="checkbox"/> Analog input 2 failure 27:22
	<input type="checkbox"/> <input type="checkbox"/> High analogue input thresh... 27:22

Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (1 of 6)



Click on a card to enter the Equipment details and **Edit name** and features

The screenshot illustrates the process of editing equipment details in the Refrigeration Expert XP interface. It is divided into three main sections:

- Equipment List:** Shows a search bar and a list of equipment. The 'IDNext 978 P/B' card is highlighted with a mouse cursor. The card displays 'Control probe 1' at 56.1 and 'Defrost probe 1' at 0.0.
- Equipment Details:** Shows the selected 'IDNext 978 P/B' unit. It includes a status bar with 'System Running' and 'Alarm Active', and an 'Administrator' profile. The unit's name 'IDNext 978 P/B' is shown with a dropdown arrow and an 'Edit' button. Below, it displays 'Control probe 1 56.1' and 'Defrost probe 1 0.0'. A 'Maintenance' toggle is also visible.
- Edit Modal:** A modal window titled 'Edit IDNext 978 P/B' is open, allowing for configuration changes. It contains the following fields:
 - Device name ***: A text input field containing 'Fridge'.
 - Product model**: A text input field containing 'Cabinet'.
 - Serial number**: A text input field containing '123456'.
 - Remove device**: A button with a red 'x' icon and the text 'Remove device'.
 - Save** and **Cancel**: Buttons at the bottom right of the modal.

Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (2 of 6)



Enable Edit mode for all type of resources

EQUIPMENT HACCP HISTORY SYSTEM

✓ Fridge Edit Maintenance Cabinet IDNext 978 P/B 750 / 1029 SN 123456 001@COM1 Modbus - 9600 / 8E1

Control probe 1 56.1 × Defrost probe 1 0.0 ×

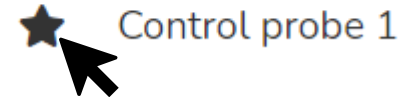
☆ Overview ⏸ Resources ⚠ Alarms ⚙ Parameters ▶ Commands Edit mode

⏸ Resources

★ Control probe 1	56.1
★ Defrost probe 1	0.0
★ Compressor 1	On

Overview

You can remove resources from the Overview page by clicking on the star in each row



Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (3 of 6)



Enable Edit mode for all type of resources

☆ Overview | Resources | Alarms | Parameters | Commands | Edit mode

Filter by description... Position Resource ID Expand ↗

<input type="checkbox"/>	Position	<input type="checkbox"/>	☆	Description	Values	UM	H...	Hi...	AL...	En...	Co...	Groups	En...
<input type="checkbox"/>	▲▼⋮	<input type="checkbox"/>	★	Temperature	56.1		<input checked="" type="checkbox"/>	✓	10	<input type="checkbox"/>	<input type="checkbox"/>	chart	<input checked="" type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	<input type="checkbox"/>	★	Defrost probe 1	0.0		<input type="checkbox"/>	✓		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	▲▼⋮	<input type="checkbox"/>	★	Digital input 1	???		★	✓		<input type="checkbox"/>	---		<input type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	<input type="checkbox"/>	★	Defrost probe 2	???		<input type="checkbox"/>	✓		<input type="checkbox"/>	---		<input type="checkbox"/>

Show in the card

Show in Overview

Include resource in HACCP report

Defrost status for HACCP report

Enable row ordering Position

Chart lines colour (default black)

Edit Description, UM, Groups

Configure multiple rows

Resources

You can act on all columns.

Only **Enabled resources**



will be **recorde**, visible and used by the system

Row order will be used in all views

Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (4 of 6)



Enable Edit mode for all type of resources

Overview Resources **Alarms** Parameters Commands Edit mode

Filter by alarm code and Position Alarm code Active Acknowledged Expand

<input type="checkbox"/>	Pos...	Description	State	Delay	Colors	Enabled
<input type="checkbox"/>	▲▼⋮	High - Temperature	18:43	00:00:00	---	<input checked="" type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	Analog input 1 failure		00:00:00	---	<input checked="" type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	Analog input 2 failure		00:00:00	---	<input checked="" type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	Analog input 3 failure		00:00:00	---	<input type="checkbox"/>

Show status in card as a Resource

Edit Alarm Description

00:00:00 Edit Alarm Delay

Enable row ordering Position

Chart lines colour (default black)

Alarms

You can act on all columns.

Only **Enabled resources**



will be visible and used by the system.

Row order will be used in all views

Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (5 of 6)



Enable Edit mode for all type of resources

Overview Resources Alarms **Parameters** Commands Edit mode

Filter by label and descrij All No Value Filled Invalid Expand

<input type="checkbox"/>	<input type="checkbox"/>	Label	Description	Value	Min	Max
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SEt	Regulation set point	5 °C	LSE (-55)	HSE (99)
<input type="checkbox"/>	<input type="checkbox"/>	LSE	Minimum value settable for set point	-55 °C	LdL (-55)	HSE (99)
<input type="checkbox"/>	<input type="checkbox"/>	HSE	Maximum value settable for set point	99 °C	LSE (-55)	HdL (140)

Show in Overview

Edit Parameter Description

5 °C Edit Parameter Value

Save to file

Load from file

Copy to other controllers

Print to PDF

Export to file

Parameters

Operate anytime on parameter values.

Save current parameter map as default to easily re-configure a replacement controller

Save default map

Load default map

Refrigeration Expert XP Quick Start

6 Plant configuration | Fine tune resources to display, datalog and chart (6 of 6)



Enable Edit mode for all type of resources

☆ Overview ⌚ Resources 🚨 Alarms 🛠 Parameters ▶ **Commands** Edit mode

Filter by command id and Position Command ID ↗ Expand

<input checked="" type="checkbox"/>	Position	☆	Description	◇	Action + feedback	Enabled
<input checked="" type="checkbox"/>	▲▼⋮	☆	Manual defrost activation	📎	Execute	<input checked="" type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	☆	Auxiliary output On	📎	Execute	<input type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	☆	Auxiliary output Off	📎	Execute	<input type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	☆	Instrument On	📎	Execute	<input type="checkbox"/>
<input type="checkbox"/>	▲▼⋮	☆	Instrument Off	📎	Execute	<input type="checkbox"/>

★ Show in Overview

Enable row ordering Position

📎 Edit Command Description



In execution

Anytime execute an enabled command

Commands

You can act on all columns.

Only **Enabled resources**



will be visible and used by the system.

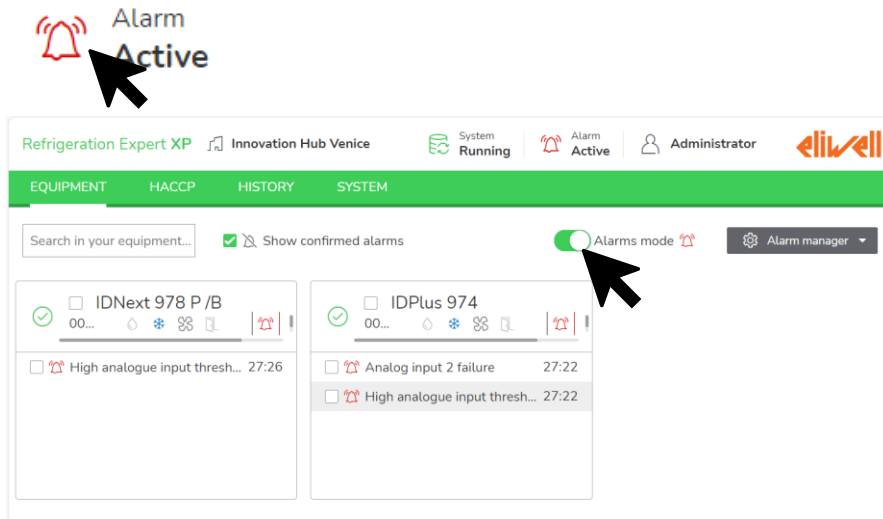
Row order will be used in all views

Refrigeration Expert XP Quick Start

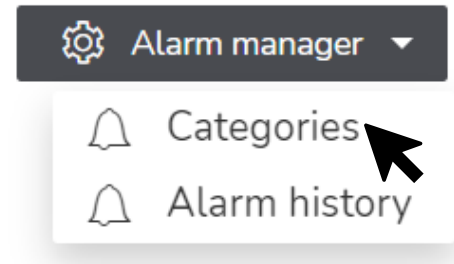
6 Plant configuration | Alarm categories and alarm notification (1 of 2)

Alarm Categories and notification configuration are accessible when displaying EQUIPMENT in Alarm mode. As a shortcut click on the Alarm bell in the status bar.

From the **Alarm manager** button click then on **Categories**



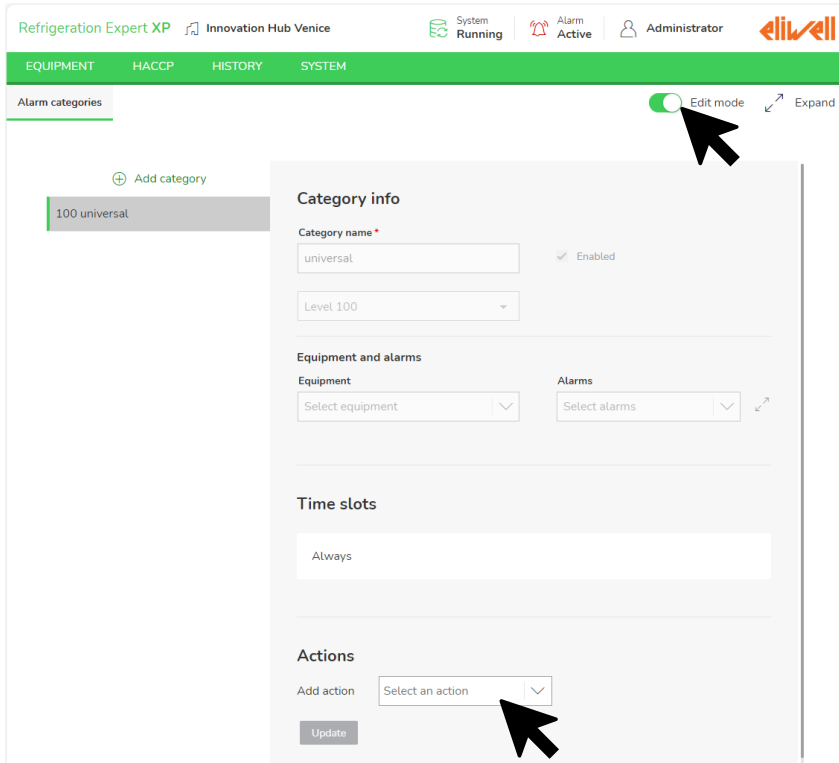
The screenshot shows the top navigation bar of the Refrigeration Expert XP interface. On the left, there is a red alarm bell icon with the text "Alarm Active" next to it, and a black mouse cursor pointing at it. Below this, the main header includes "Refrigeration Expert XP", "Innovation Hub Venice", "System Running", "Alarm Active", "Administrator", and the "eliwell" logo. A green navigation bar contains "EQUIPMENT", "HACCP", "HISTORY", and "SYSTEM". Below the navigation bar, there is a search field "Search in your equipment...", a checkbox for "Show confirmed alarms" (checked), and a toggle for "Alarms mode" (checked) with a black mouse cursor pointing at it. To the right of the toggle is an "Alarm manager" button. Below these elements, there are two equipment panels. The left panel is for "IDNext 978 P/B" and shows a "High analogue input thresh..." alarm at 27:26. The right panel is for "IDPlus 974" and shows "Analog input 2 failure" at 27:22 and "High analogue input thresh..." at 27:22.



The screenshot shows a dark grey dropdown menu for "Alarm manager". The menu is open, showing two options: "Categories" and "Alarm history". A black mouse cursor is pointing at the "Categories" option.

Refrigeration Expert XP Quick Start

6 Plant configuration | Alarm categories and alarm notification (2 of 2)



The screenshot shows the 'Alarm categories' configuration page in the Refrigeration Expert XP interface. The page is in 'Edit mode', indicated by a green toggle switch and a mouse cursor pointing to it. The 'Category info' section includes a 'Category name' field with 'universal' entered, an 'Enabled' checkbox, and a 'Level' dropdown set to '100'. The 'Equipment and alarms' section has 'Equipment' and 'Alarms' dropdown menus. The 'Time slots' section has a text area containing 'Always'. The 'Actions' section has an 'Add action' dropdown menu with 'Select an action' and a mouse cursor pointing to it, and an 'Update' button.

Refrigeration Expert XP offer un “universal” category that catches all alarms, anytime.

Enter **Edit mode** to modify

Configure the Actions to perform when an alarm occurs or ends. Options are **emails** and digital output of **TelevisOut modules** configured in the system.

Add Category to prioritize actions for specific alarms or time slots

Refrigeration Expert XP Quick Start

6 Plant configuration | HACCP dashboard



Enter HACCP to display today 24h HACCP and browse for previous days

Refrigeration Expert XP Innovation Hub Venice

System Running Alarm Active Administrator eliwell

EQUIPMENT HACCP HISTORY SYSTEM

Dashboard HACCP Reports

22/07/2024 Select equipment (2) Search resources Reset

Equipment	Resource	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max	Avg
Fridge @1.001	Temperature	52.6	54.8	54.8	54.6	54.1	54.2	54.0	53.9	53.8																52.4	54.9	54.2
IDPlus 974 @1.002	Temperature	50.2	50.1	50.1	50.0	49.6	49.6	49.4	49.3	49.2																49.2	50.2	49.7

Generate a PDF report on the fly haccp.pdf

You already marked temperatures and defrost status for the HACCP dashboard and report by editing Equipment / Resources

Resources

- Include resource in HACCP report
- Defrost status for HACCP report

Refrigeration Expert XP Quick Start

6 Plant configuration | Schedule HACCP report



Schedule a daily, weekly or monthly HACCP report directly to your inbox

Refrigeration Expert XP | Innovation Hub Venice | System Running | Alarm Active | Administrator | eliwell

EQUIPMENT | **HACCP** | HISTORY | SYSTEM

Dashboard | **HACCP Reports** | Edit mode | Expand

Report description	Scheduling	Enabled
HACCP report	Not scheduled yet	<input type="checkbox"/>

HACCP Reports

1. Enter Edit mode
2. Edit the schedule, setting one or more recipients
3. Enable the schedule

Report Scheduling

Type *

From 0 to 24 of the previous day

At *

Send to *

Scheduling

Enabled

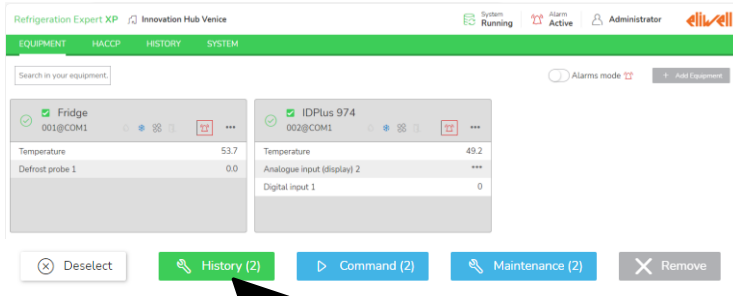
Daily - Every day at 08:00 AM Next 23/07/24, 08:00

Refrigeration Expert XP Quick Start

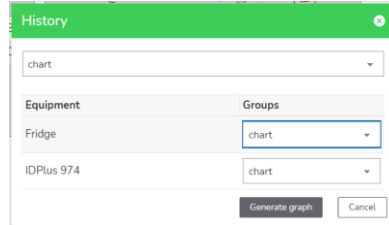
6 Plant configuration | Quick reusable charts and historical data tables



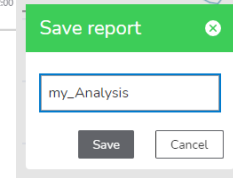
Select one or more equipment cards and click on History in the multiple equipment tools



Select a pre-configured Group or go to next step to add other resources



Save the current report for future analysis



Refrigeration Expert XP Quick Start

6 Plant configuration | Schedule an historical data report or chart



Schedule a daily, weekly or monthly report or chart directly to your inbox

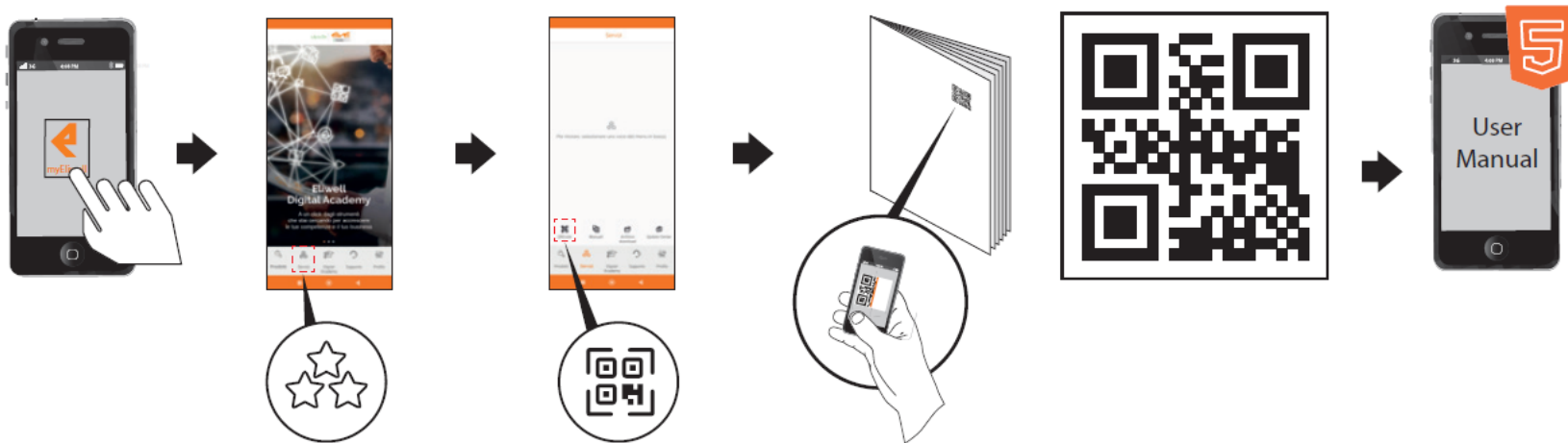
Report description	Scheduling	Enabled
my_Analysis	Not scheduled yet	<input type="checkbox"/>

HISTORY / All reports

1. Enter Edit mode
2. Edit the schedule, setting one or more recipients
3. Enable the schedule

Scheduling	Enabled
Weekly on Mon	<input checked="" type="checkbox"/> Next 22/07/24, 08:00

Scansiona il QR Code con la APP myEliwell per accedere alla guida on line



Refrigeration Expert XP user manual



eliwell.com/digital-academy

Life Is On



Schneider
Electric