

Use DALM IP Communicator with NOX

This document describes the necessary steps for connecting and using DALM with the NOX System.

Overview

Using DALM together with NOX enables transmission of alarms and incidents via SIA DC-09 (IP), as well as remote service via fixed-line or mobile network.

Hardware requirements

DALM version 3.2.4.1 or later.

Connection

To use alarm transmission via SIA DC-09 (IP), DALM connects directly to the control panel.

Connect the Ethernet cables to:


Eth1 = Customer Network

Eth2 = NOX central

NOX Config

Configure NOX to use DALM as SIA DC-09 receiver in the SIA IP dialog of the SIA device.

On the Receiver tab, enter the IP address that DALM has received on the client's network (fixed / static) and Port 18500.



The screenshot shows the 'Indstillinger' (Settings) tab in the NOX configuration interface. It features three input fields: 'Modtager IP adresse' (Receiver IP address) with the value '192.168.050.031', 'Port' with the value '18500', and 'Kundennummer' (Customer number) with the value '999123'. There is also a checkbox for 'Modtager 2' (Receiver 2) which is currently unchecked, with its 'Port' set to '30001'.

On the Monitoring tab, set "Polling Interval" time to 30 seconds.

Modtager **Overvågning** Indstillinger

Polling interval: Sek.

Alarm ingen forbindelse:

Navn:

On the "Settings" tab, select SIP IP DC-09 and the encryption key.

Modtager **Overvågning** **Indstillinger**

Gyldighed for beskeder: Minutter

Kryptering

Nøgle

SIA IP DC-09

Med MAC adresse

Alarmzone-filter

DALM Configuration

To program the DALM transmitter, you must first insert an unlocked SIM card. DALM is configured via the EasyWebManager portal: ewm.dualtech.se.

To activate DALM's NOX functionalities, select product: 'DALM 1000 AS' or 'DALM 3000 AS'.

Product

DALM 1000 / TS 200

DALM 2000

DALM 3000 VB

DALM 5000 SF

DALM 5000

DALM 1000 AS

DALM 3000 AS

DALM 3000

DALM 5000 VB

DALM 5000SCH

To transmit alarms via DC-09, it is recommended to select a static IP address. This address and port 18500 must also be entered as the receiver's address in the DC-09 configuration in the NOX system.

NOTE

Do not tick "MENU ACCESS" if the installation only has Internet access via GPRS / 3G / 4G, otherwise an alarm will be triggered by remote service, which will interrupt the remote service session.

Ethernet

None (Mobile Only)
 Automatic (DHCP)
 Manual

IP address: 192.168.50.31
Default Gateway: 192.168.50.1
Netmask: 255.255.255.0
DNS: 8.8.8.8

Select Serial Port Functionality 'NOX'. This allows alarm transmission via both DC-09 (IP).

Serial port functionality

Standard
 Remote access
 NOX
 Galaxy

ESPA 4.4.4
 Bravida Integra
 Base64

At Remote Access via Ethernet, enter the NOX panels IP address. Port forwarding will be enabled for TCP ports 4321, 4322 and 6251 at this address.

Remote access via Ethernet

Label: NOX
IP address: 192.168.50.36

In the input / receiver table, recipients are selected for 'Serial Comm Error' and 'NOX' alarms, etc. This applies both to DC-09 (IP).

Serial Comm Error is initiated by DALM if no valid message has been received via either IP or serial for 90 seconds.

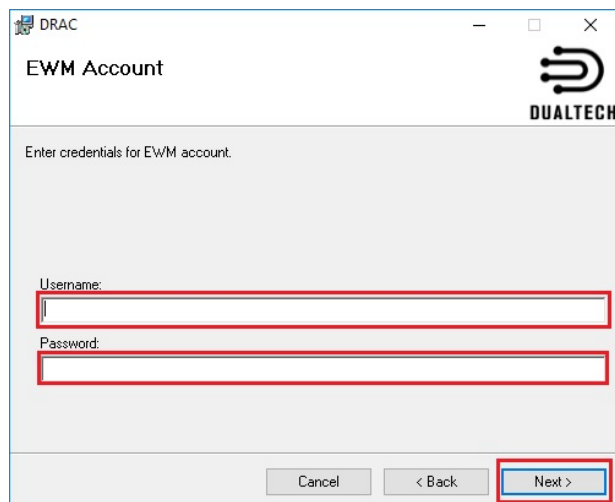
Want other error messages, eg. Ethernet connection errors and tampering, these should be crossed by here.

Input/Receiver ?

Label	Alarm Receiving Centre
Supply Power	<input checked="" type="checkbox"/>
Ethernet Error	<input checked="" type="checkbox"/>
Mobile Error	<input checked="" type="checkbox"/>
Tamper Switch	<input checked="" type="checkbox"/>
Serial Comm. Error	<input checked="" type="checkbox"/>
NOX	<input checked="" type="checkbox"/>

DRAC Config

In the DRAC.exe config file, an IP port is added with the values 4321, 4322, and 6251.



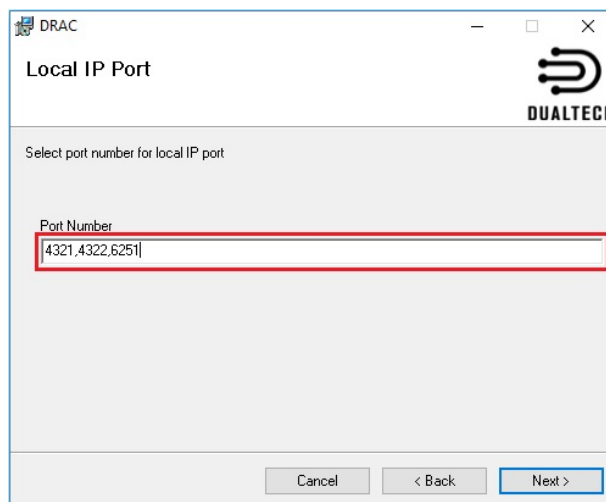
DRAC EWM Account

Enter credentials for EWM account.

Username:

Password:

Buttons: Cancel, < Back, Next >

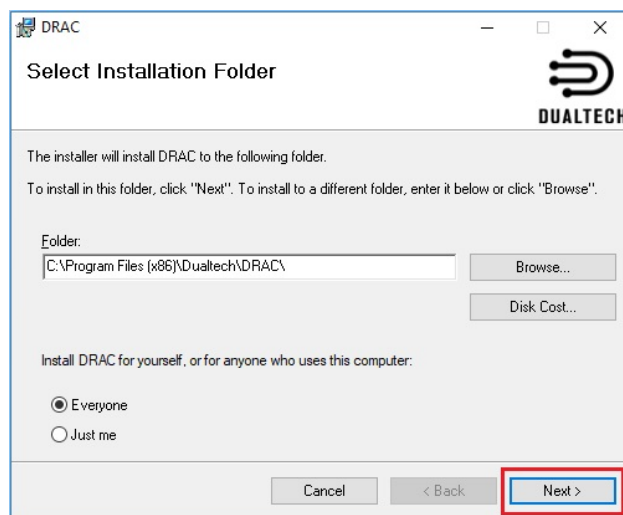


DRAC Local IP Port

Select port number for local IP port

Port Number:

Buttons: Cancel, < Back, Next >



DRAC Select Installation Folder

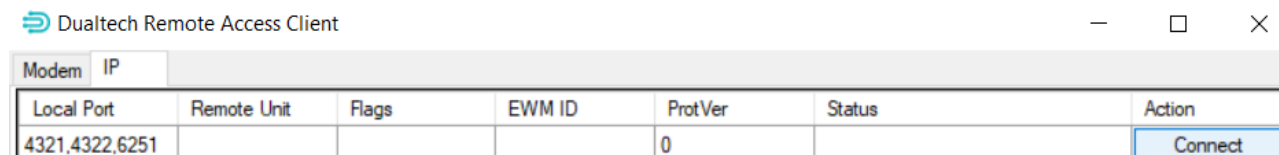
The installer will install DRAC to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder: Browse...
Disk Cost...

Install DRAC for yourself, or for anyone who uses this computer:

Everyone
 Just me

Buttons: Cancel, < Back, Next >



Local Port	Remote Unit	Flags	EWM ID	ProtVer	Status	Action
4321,4322,6251				0		Connect

In NOX Config and PC control, enter the IP address 127.0.0.1