

**QUICK GUIDE  
SMART INTEGO**

Stand: April 2014

## QUICK GUIDE SMART INTEGO

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## QUICK GUIDE SMART INTEGO

### 1.0 NOTE

SimonsVoss Technologies GmbH reserves the right to make modifications to the product without notice. For this reason descriptions and representations in this manual may differ from the latest versions of the product and software. As a general principle, the original German version shall apply in the event of any doubt. Subject to errors and misspellings.

You can find further information about SimonsVoss products in the Internet at:  
[www.simons-voss.com](http://www.simons-voss.com)

Access through a door may be denied if components are installed or programmed incorrectly. SimonsVoss GmbH will assume no liability for the consequences of incorrect installation, such as denied access to injured persons or persons at risk, damage to property or any other form of damage.

Individuals with electronic medical implants (pacemakers, hearing aids, etc.) must keep a minimum distance of 30 cm between the implant and network components and should be made aware of this in particular.  
In the interests of safety, people with electronic implants should seek medical advice as to the potential hazards of radio components (868 / 915 MHz).

### 2.0 INTRODUCTION

The SimonsVoss SmartIntego Manager allows wireless and/or cable-based networks to be set up independently. Knowledge of IT administration, à TCP/IP, LAN / WAN and COM ports is also required.

Performing a scan will record all previously connected network nodes. Every component returns its own chip ID to the SmartIntego Manager. A network structure is then mapped in the SmartIntego Manager and the automatically generated hexadecimal addresses + chip IDs are displayed.

The radio frequency for Europe and Asia is 868MHz and there are 15 different radio channels available.

Please remember that it is important to maintain accurate documentation on an ongoing basis and to make regular backups of data in order to ensure reliable operation.

## **QUICK GUIDE SMART INTEGO**

### **3.0 SYSTEM REQUIREMENTS**

#### **GENERAL**

Local administrator rights for installation

TCP/IP communication (with NetBios activated), LAN (recommended: 100 MBit/s)

Windows domain

Acrobat Reader (for the help function)

#### **MINIMUM HARDWARE REQUIREMENTS**

Processor: 2.66 GHz (or faster)

2 GB RAM (or more)

MS Windows 7 Professional

USB interface / LAN connection

Resolution: 1024 x 768

### **4.0 INSTALLATION | CONFIGURATION SOFTWARE**

Please follow this guideline for installation and configuration!

- 4.1 1. CONFIGURATION OF TCP/IP SETTINGS**
- 4.2 2. DRIVER INSTALLATION FOR CARD PROGRAMMING DEVICE**
- 4.3 3. INSTALLATION AND CONFIGURATION SMART INTEGO SOFTWARE**

## QUICK GUIDE SMART INTEGO

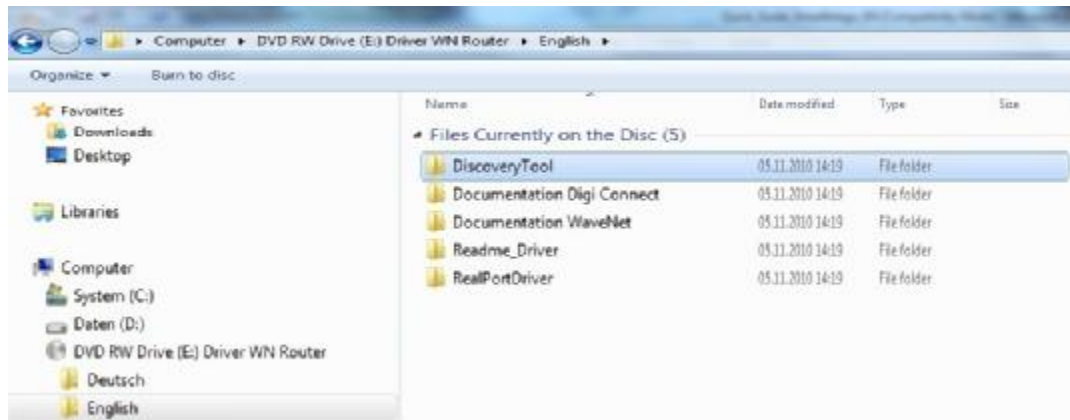
### 5.0 INSTALLATION AND CONFIGURATION TCP/IP SETTINGS

Installation guide for SmartIntego GatewayNode via Digi Device Discovery for TCP/IP network settings. Insert the CD (included in GatewayNode box) to CD-drive: Select language.

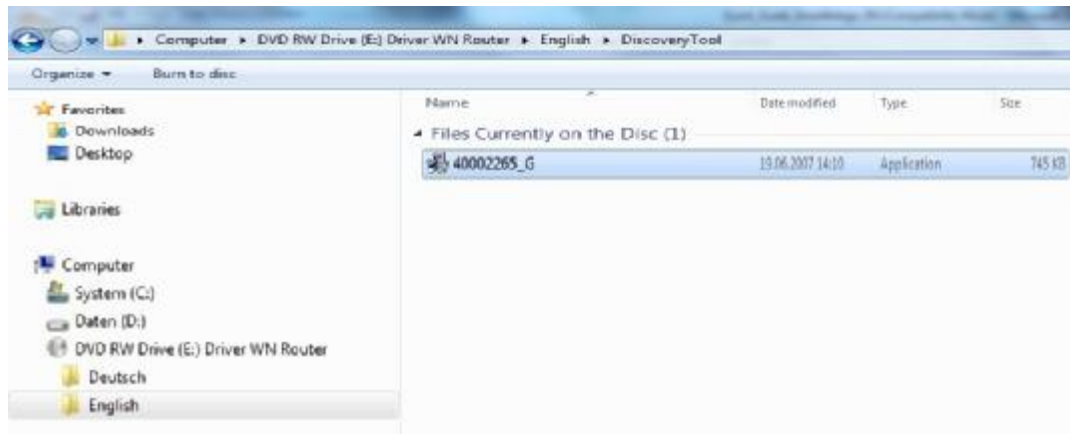


## QUICK GUIDE SMART INTEGO

Select "DiscoveryTool"

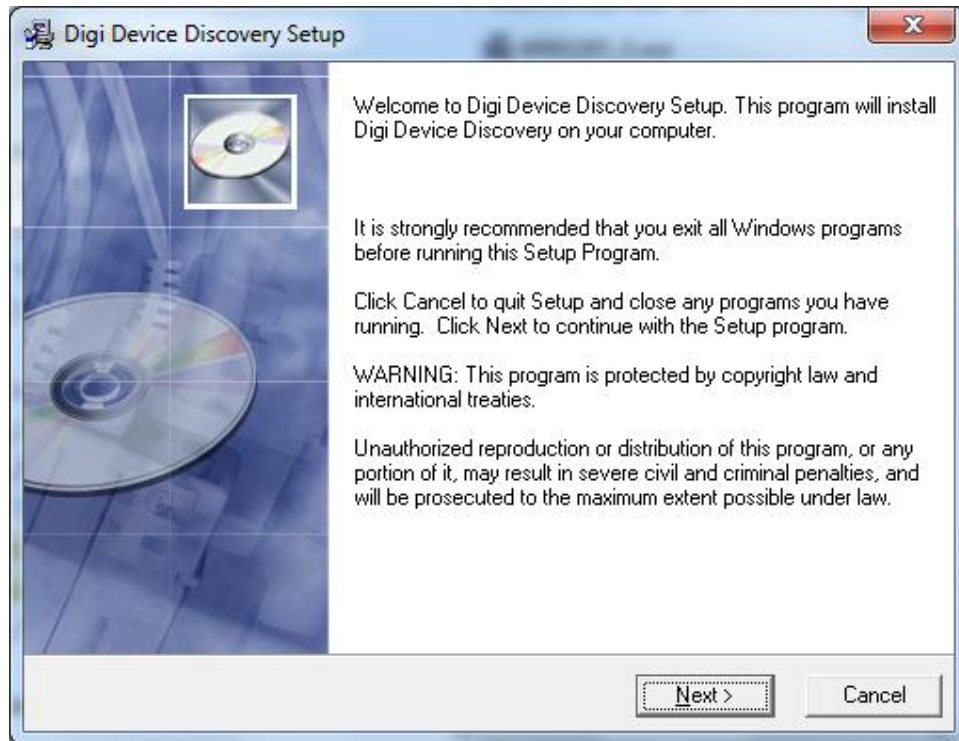


Execute application: Run as administrator



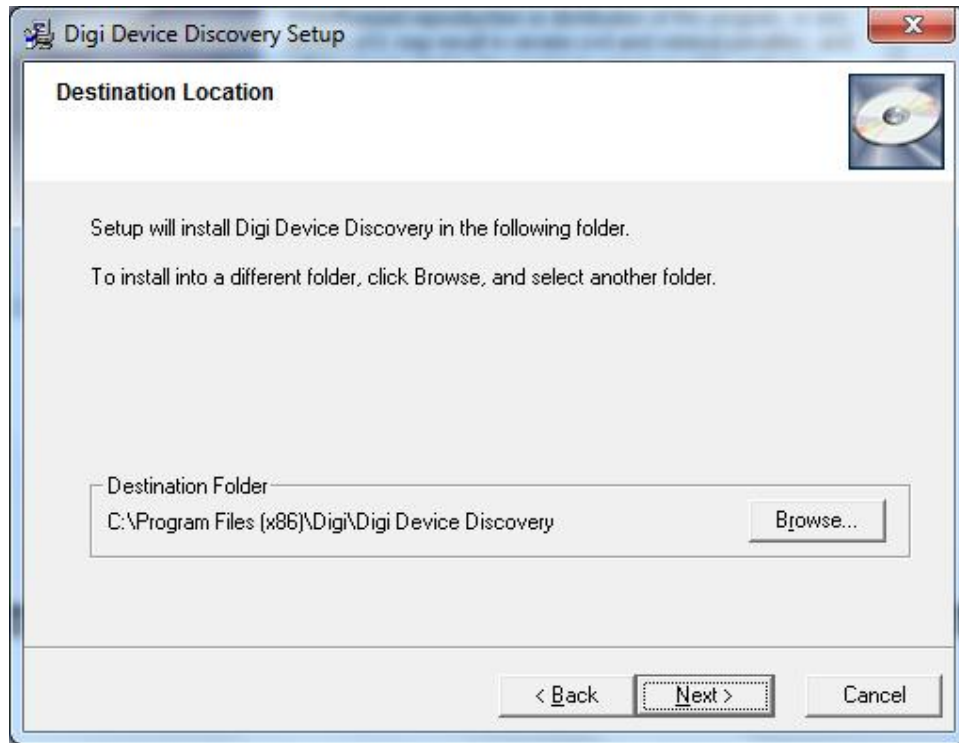
## QUICK GUIDE SMART INTEGO

Follow from now on the wizard instructions



## QUICK GUIDE SMART INTEGO

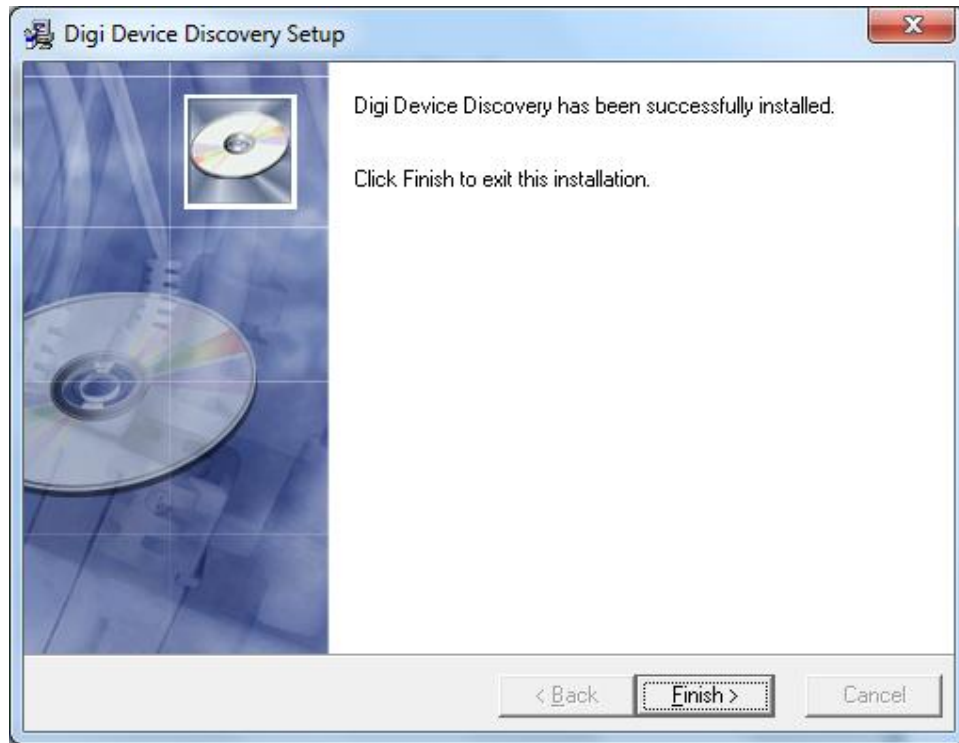
Chose destination folder and click “Next” twice





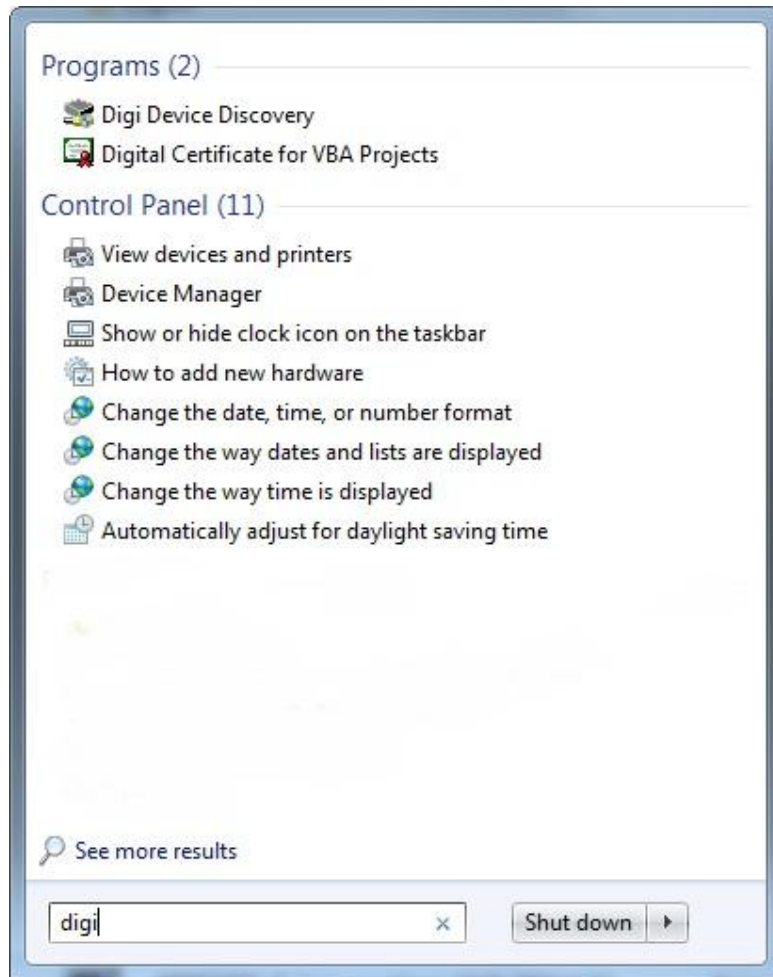
## QUICK GUIDE SMART INTEGO

Digi Device Discovery has now been successfully installed. Please press “Finish”.



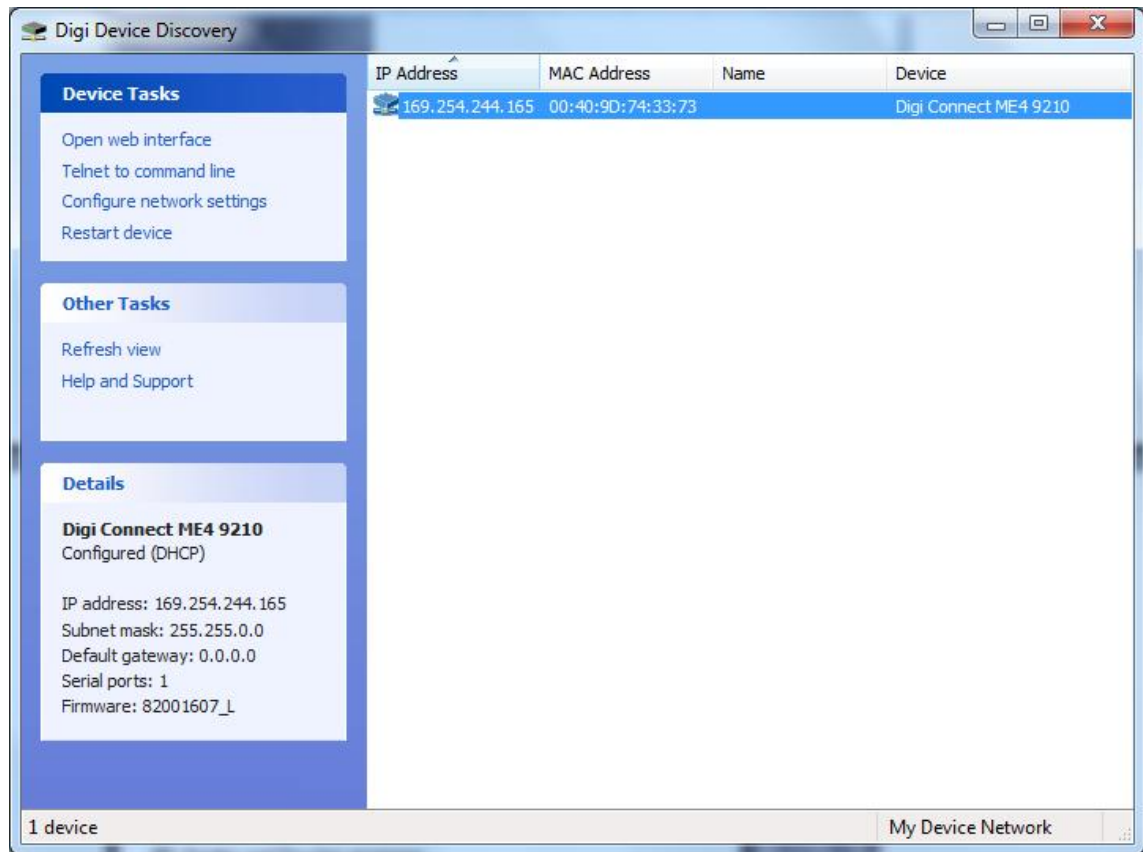
## QUICK GUIDE SMART INTEGO

Start application: Digi Device Discovery



## QUICK GUIDE SMART INTEGO

Working with this application you have to be in the same subnet in order to connect to the device and change / configure the TCP/IP network settings: Select the relevant IP address and click on “Open web interface”.



The screenshot displays the 'Digi Device Discovery' application window. The interface is divided into a sidebar on the left and a main table area on the right.

**Device Tasks:**

- Open web interface
- Telnet to command line
- Configure network settings
- Restart device

**Other Tasks:**

- Refresh view
- Help and Support

**Details:**

**Digi Connect ME4 9210**  
Configured (DHCP)

IP address: 169.254.244.165  
Subnet mask: 255.255.0.0  
Default gateway: 0.0.0.0  
Serial ports: 1  
Firmware: 82001607\_L

The main table contains the following data:

IP Address	MAC Address	Name	Device
169.254.244.165	00:40:9D:74:33:73		Digi Connect ME4 9210

At the bottom of the window, it shows '1 device' on the left and 'My Device Network' on the right.

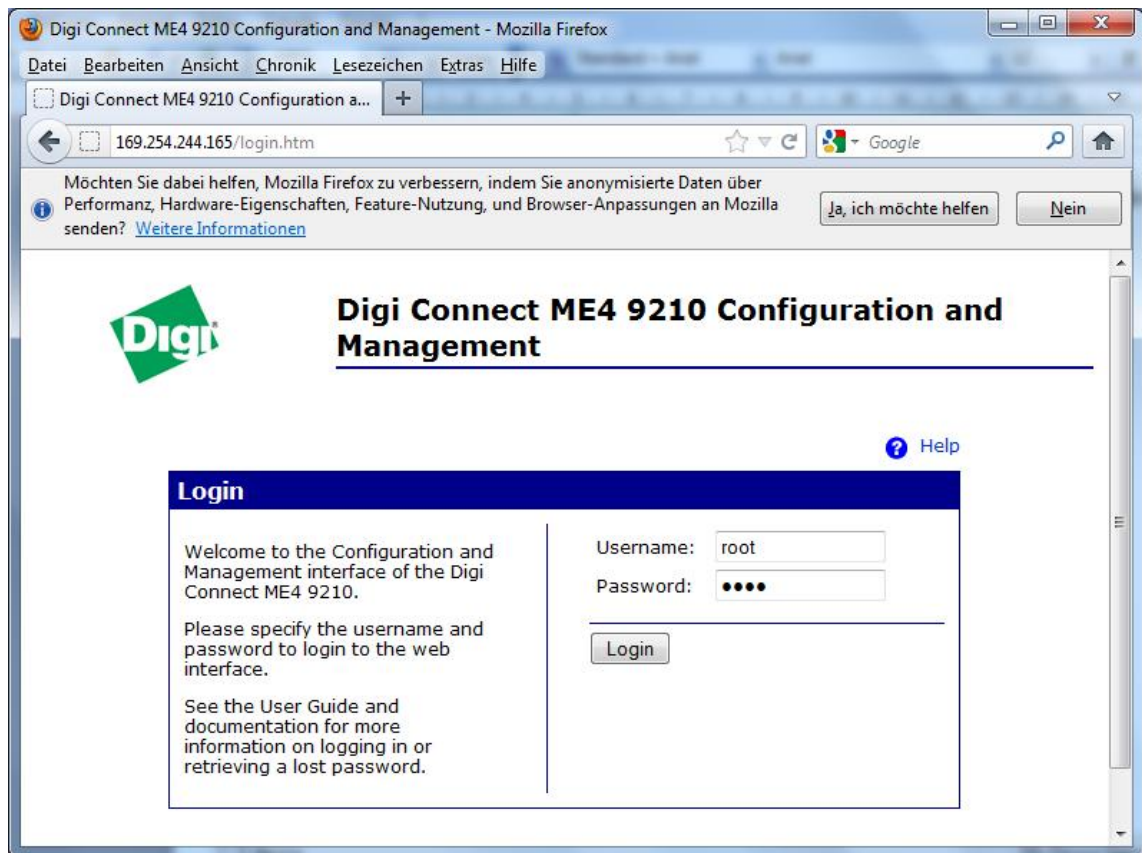
## QUICK GUIDE SMART INTEGO

To open the web interface for changing network settings:

**Username: root**

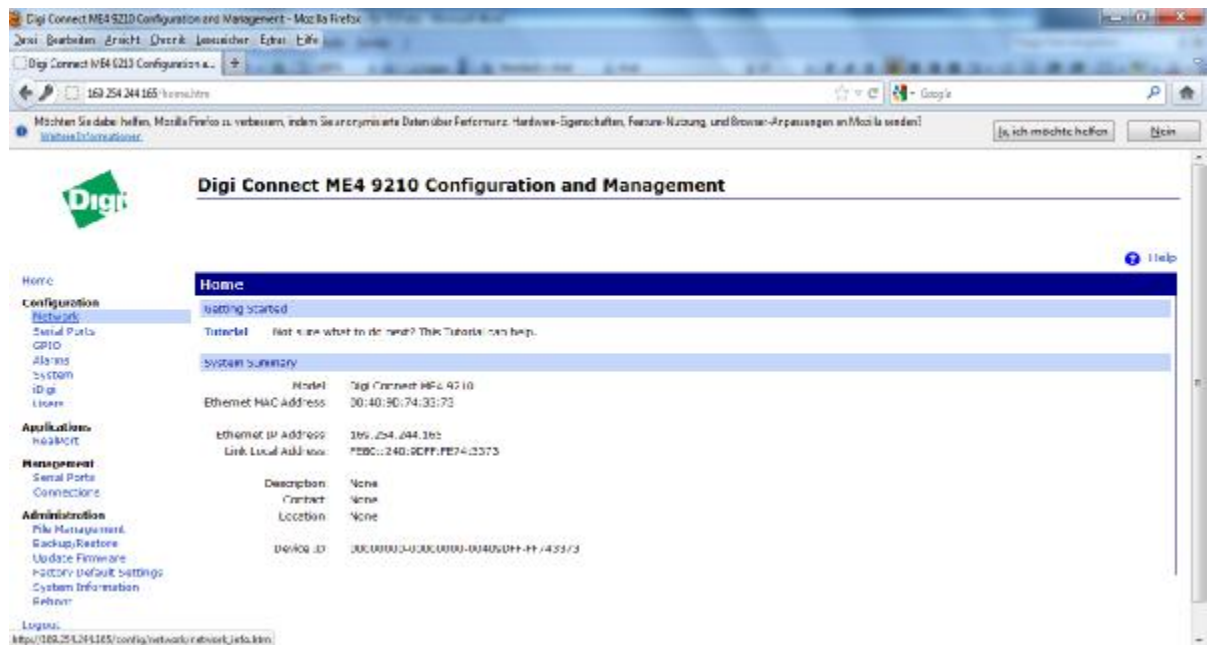
**Password: dbps** à Login

If you want you can change Username and Password.



# QUICK GUIDE SMART INTEGO

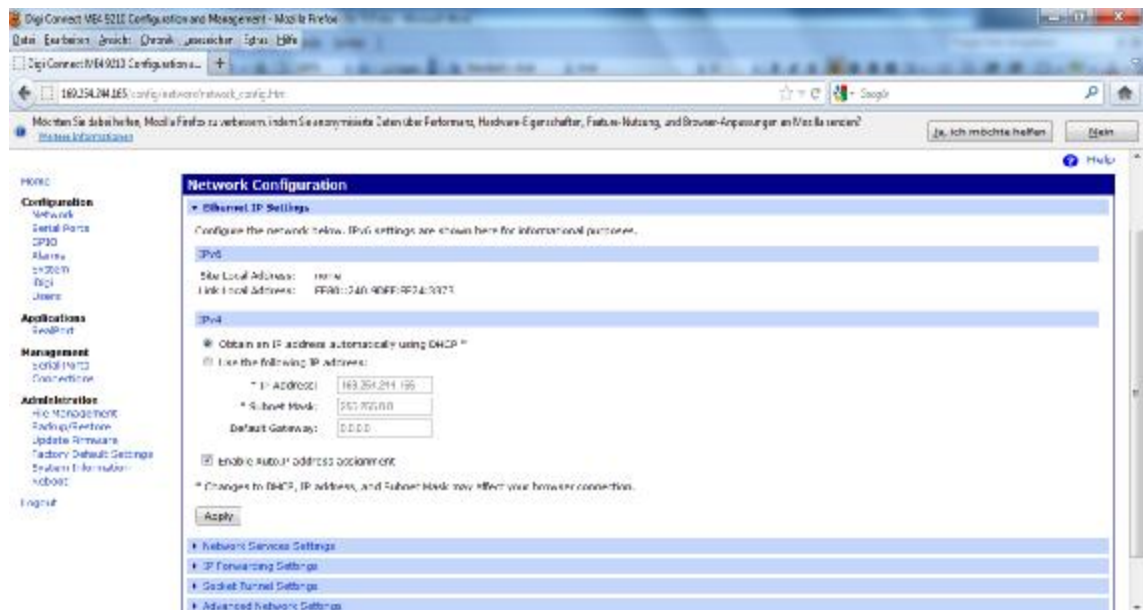
Click on Network (top left)



The screenshot shows the web interface for the Digi Connect ME4 9210. The browser address bar shows the URL `169.254.244.165/consul.htm`. The page title is "Digi Connect ME4 9210 Configuration and Management". On the left side, there is a navigation menu with the following items: Home, Configuration (Network, Serial Ports, GPIO, Alarms, System, iDigi, Users), Applications (WebAPI), Management (Serial Ports, Connections), and Administration (File Management, Backup/Restore, Update Firmware, Factory Default Settings, System Information, Reboot). The main content area is titled "Home" and contains a "Getting started" section, a "Tutorial" link, and a "System summary" table.

System summary	
Model	Digi Connect ME4 9210
Ethernet MAC Address	30:40:30:74:33:73
Ethernet IP Address	169.254.244.165
Link Local Address	FE80::240:DCFF:FE74:3373
Description	None
Contract	None
Location	None
DHCP ID	00:0000:00:0000:0000:00:FF:FF:45373

Here you can configure your IP-settings. The standard configuration is set on DHCP. After setting the changes, please click on “Apply” to accept the changes you have done! “Logout” once the configuration is finished. This application communicates via the port 2101 → ensure this port is opened as well during the browser session.

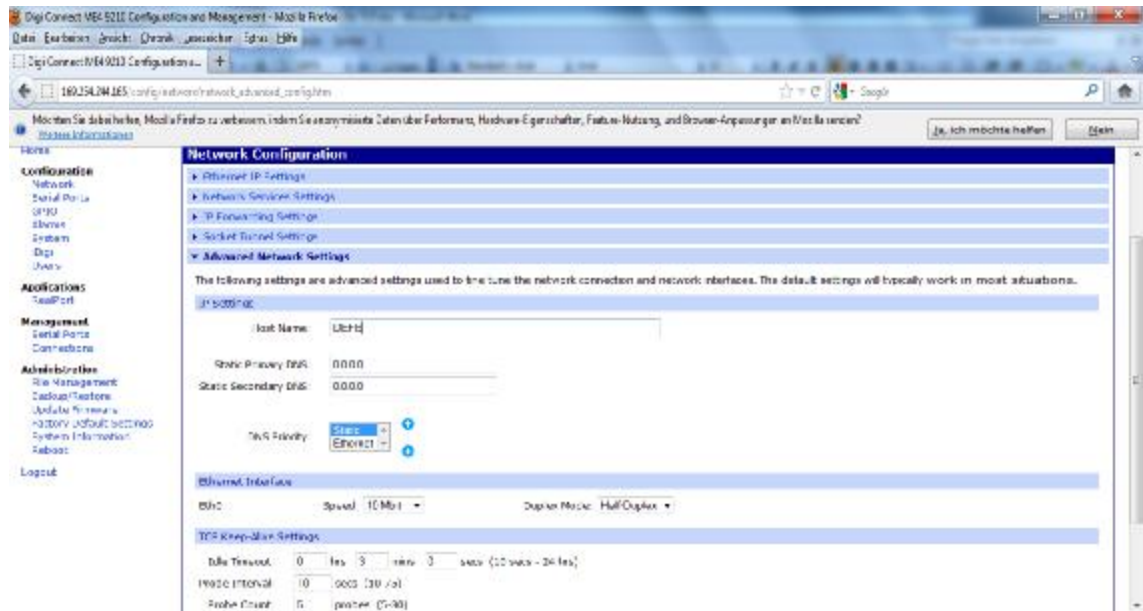


The screenshot shows the "Network Configuration" page in the web interface. The browser address bar shows the URL `169.254.244.165/config/network/network_config.htm`. The page title is "Digi Connect ME4 9210 Configuration and Management". The left navigation menu is the same as in the previous screenshot. The main content area is titled "Network Configuration" and contains the following sections:

- Ethernet IP Settings:** Configure the network below. IPv6 settings are shown here for informational purposes.
  - IPv6:**
    - Site Local Address: none
    - Link Local Address: FE80::240:DCFF:FE74:3373
  - IPv4:**
    - Obtain an IP address automatically using DHCP \*
    - Use the following IP address:
      - \* IP Address:
      - \* Subnet Mask:
      - Default Gateway:
    - Enable auto-IP address assignment.
- \* Changes to DHCP, IP address, and Subnet Mask may affect your browser connection.
- 
- [Advanced Network Settings](#)
- [IP Forwarding Settings](#)
- [Socket Tunnel Settings](#)
- [Advanced Network Settings](#)

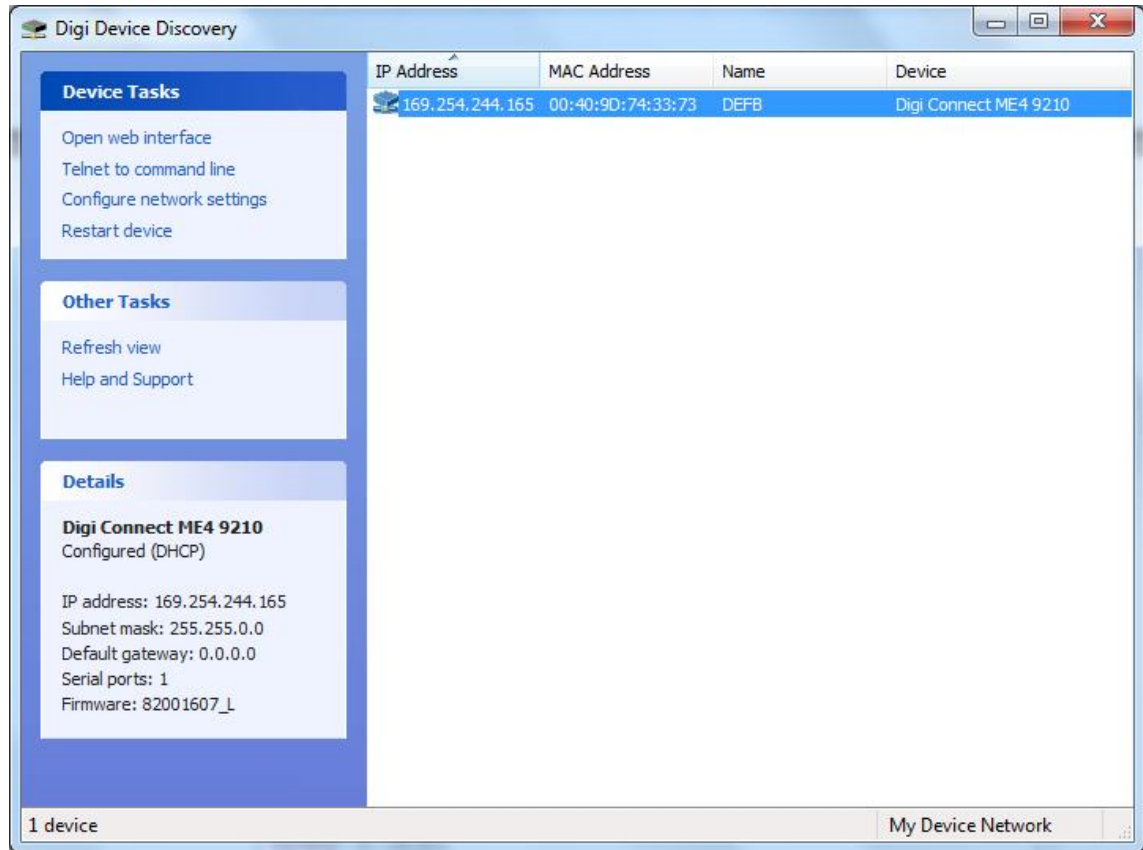
## QUICK GUIDE SMART INTEGO

Advanced Network Settings (bottom left): Here you can add the Chip-ID which is labelled on the GatewayNode device to the Host Name: e.g. DEFB. Click on “Apply”.



## QUICK GUIDE SMART INTEGO

Now you can see the TCP/IP settings as well as the Chip-ID from the GatewayNode. Please continue in the same way if you have additional GatewayNodes.



The screenshot displays the 'Digi Device Discovery' application window. On the left, there are three task lists: 'Device Tasks' (Open web interface, Telnet to command line, Configure network settings, Restart device), 'Other Tasks' (Refresh view, Help and Support), and 'Details'. The 'Details' section is expanded for the selected device, showing the following information:

- Digi Connect ME4 9210**
- Configured (DHCP)
- IP address: 169.254.244.165
- Subnet mask: 255.255.0.0
- Default gateway: 0.0.0.0
- Serial ports: 1
- Firmware: 82001607\_L

The main table on the right lists discovered devices with the following data:


IP Address	MAC Address	Name	Device
169.254.244.165	00:40:9D:74:33:73	DEFB	Digi Connect ME4 9210

At the bottom left, it indicates '1 device' and at the bottom right, 'My Device Network'.

## QUICK GUIDE SMART INTEGO

### 6.0 INSTALLATION AND CONFIGURATION SMART INTEGO SOFTWARE

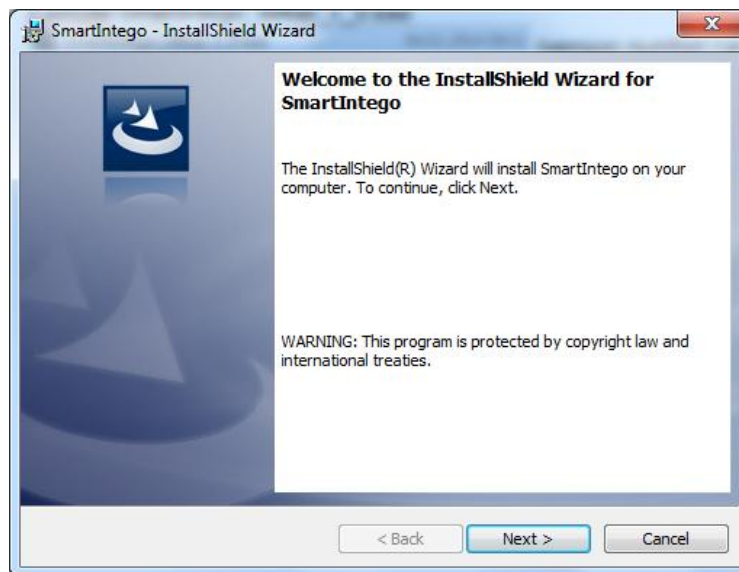
Execute SmartIntego\_setup\_1\_0.exe

 SmartIntego\_setup\_1\_0.exe 04.02.2014 09:11 (version number can differ to the displayed one)

Select language:



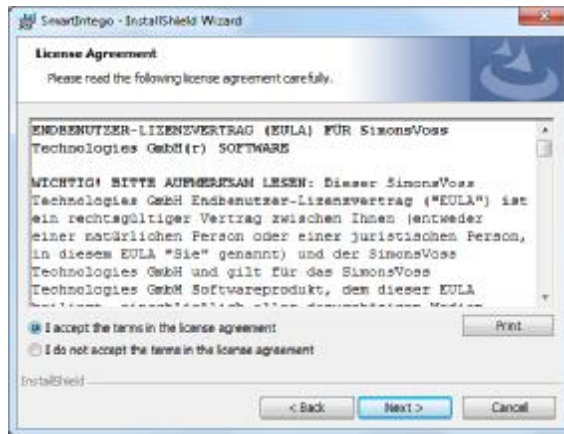
Follow the wizard instruction for the installation of the SmartIntego software:





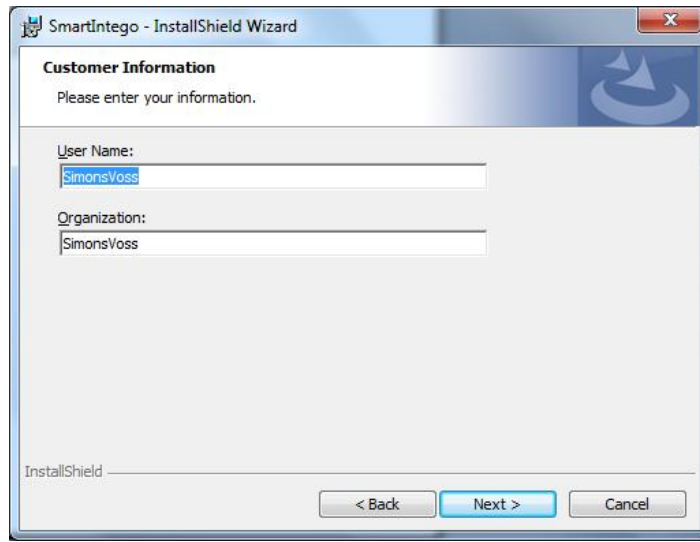
## QUICK GUIDE SMART INTEGO

Accept license agreement:



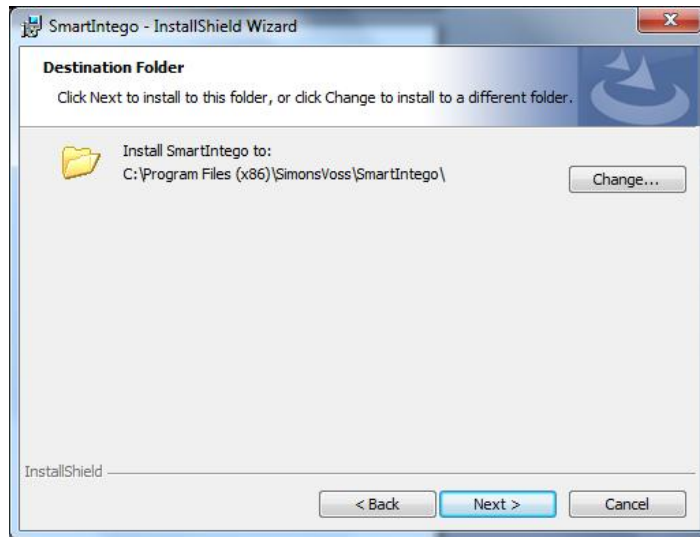
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Fill in customer information:



The screenshot shows the 'Customer Information' step of the SmartIntego installation wizard. The window title is 'SmartIntego - InstallShield Wizard'. The main heading is 'Customer Information' with the instruction 'Please enter your information.' Below this, there are two text input fields: 'User Name:' with the value 'SimonsVoss' and 'Organization:' with the value 'SimonsVoss'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted in blue. The 'InstallShield' logo is visible in the bottom left corner.

Choose destination folder and install software:



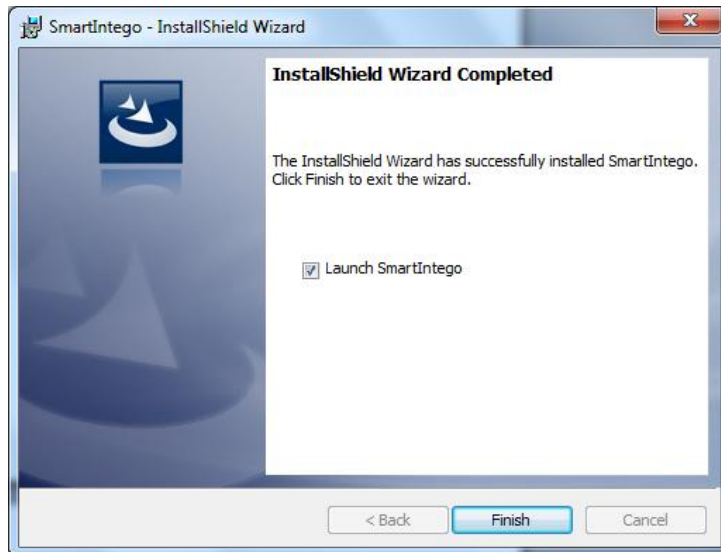
The screenshot shows the 'Destination Folder' step of the SmartIntego installation wizard. The window title is 'SmartIntego - InstallShield Wizard'. The main heading is 'Destination Folder' with the instruction 'Click Next to install to this folder, or click Change to install to a different folder.' Below this, there is a folder icon and the text 'Install SmartIntego to: C:\Program Files (x86)\SimonsVoss\SmartIntego\'. To the right of this text is a 'Change...' button. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted in blue. The 'InstallShield' logo is visible in the bottom left corner.

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SmartIntego software installation:



SmartIntego software has been successfully installed. Please click "Finish".



## QUICK GUIDE SMART INTEGO

Project:

Name: Enter your project name (Example: SmartIntego for Systemintegration)

Password: \*\*\*\*\* à to be used as a file/project password

Confirm Password: \*\*\*\*\*

**PROJECT AND LOCKING SYSTEM PASSWORD MUST BE DIFFERENT à  
MINIMUM 8 CHARACTERS!!!**

Locking system:

Password: \*\*\*\*\* à this password will be programmed in **all** lock devices.

Confirm Password: \*\*\*\*\*

Open this project as default à tick box.

New Project - SmartIntego

Project:

Name: SmartIntego for Systemintegration

Password: ●●●●●●●●

Confirm password: ●●●●●●●●

Locking system:

Password: ●●●●●●

Confirm password: ●●●●●●

Attention! Please store your passwords in safe place!  
When you lost passwords, you will not able to program your locking system.

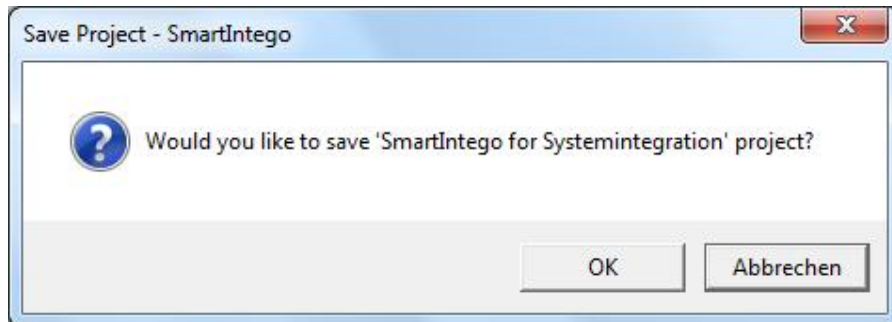
Launch SmartIntego Manager

Open this project as default

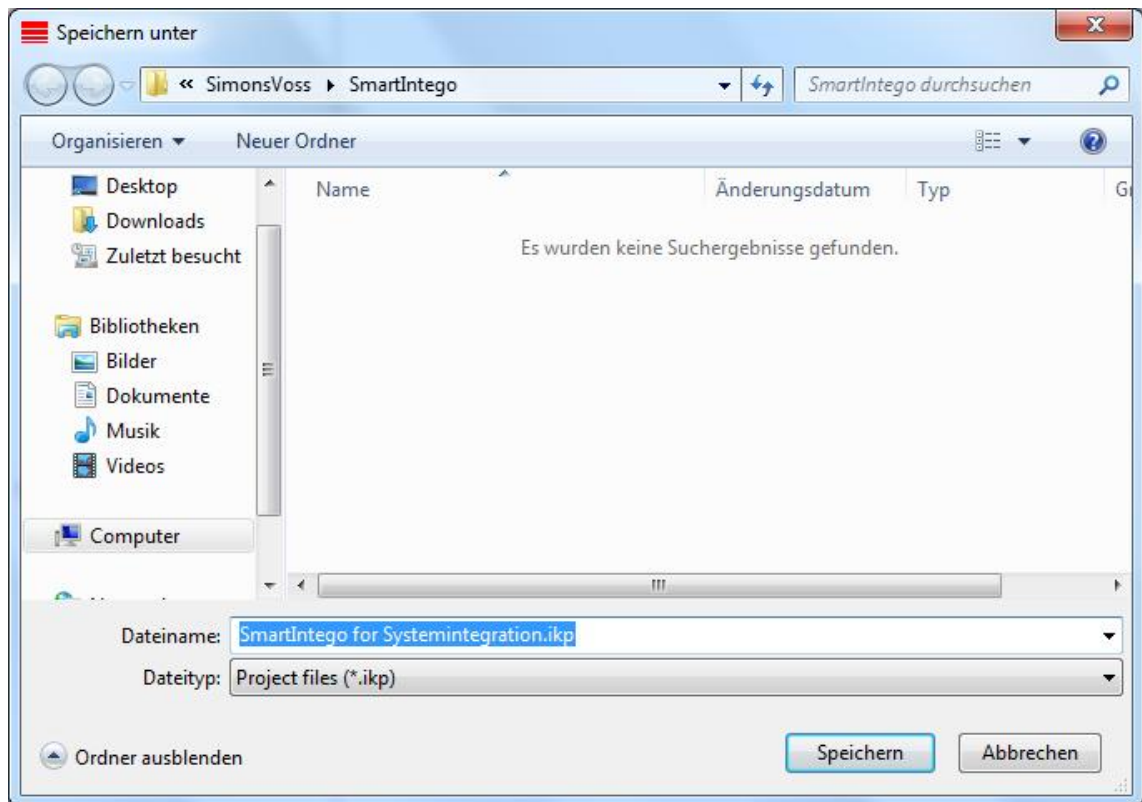
Create Cancel

## QUICK GUIDE SMART INTEGO

Please press "OK" to proceed



Save .ikp file: Recommended is to save the ".ikp"-file in the SmartIntego directory.



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For Card configuration, please click on “Card config (CardCfg\_0001)”

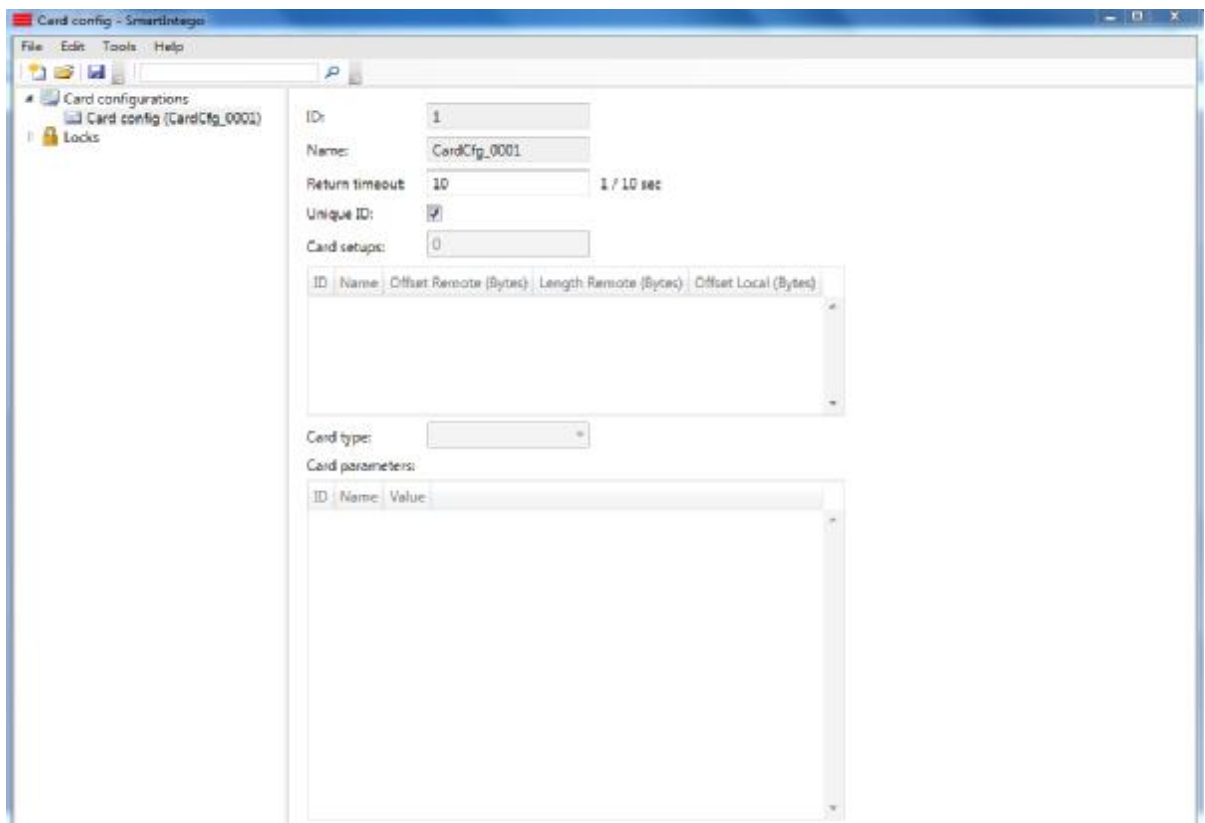
ID: not configurable

Name: not configurable

Return timeout: e.g. 10 → 1 / 10 = 1 sec

**Unique ID: tick box if Unique ID is being used.** If you disable the check box the configuration for Mifare Classic / Mifare DESFire will appear.

Card setups: If UID is chosen, Card setup boxes are **shown greyed out**



## QUICK GUIDE SMART INTEGO

Card configuration Mifare Classic / Mifare DESFire:

Card configuration click on "Card config (CardCfg\_0001)"

ID: not configurable

Name: not configurable

Return timeout: e.g. 10  $\Rightarrow$  1 / 10 = 1 sec

**Unique ID: untick check box**  $\Rightarrow$  configuration for Mifare Classic / Mifare DESFire will appear.

Card setup: up to **five** different card setups MC / MD can be configured.

ID: not configurable

Name: configurable

Offset Remote (Bytes): configurable

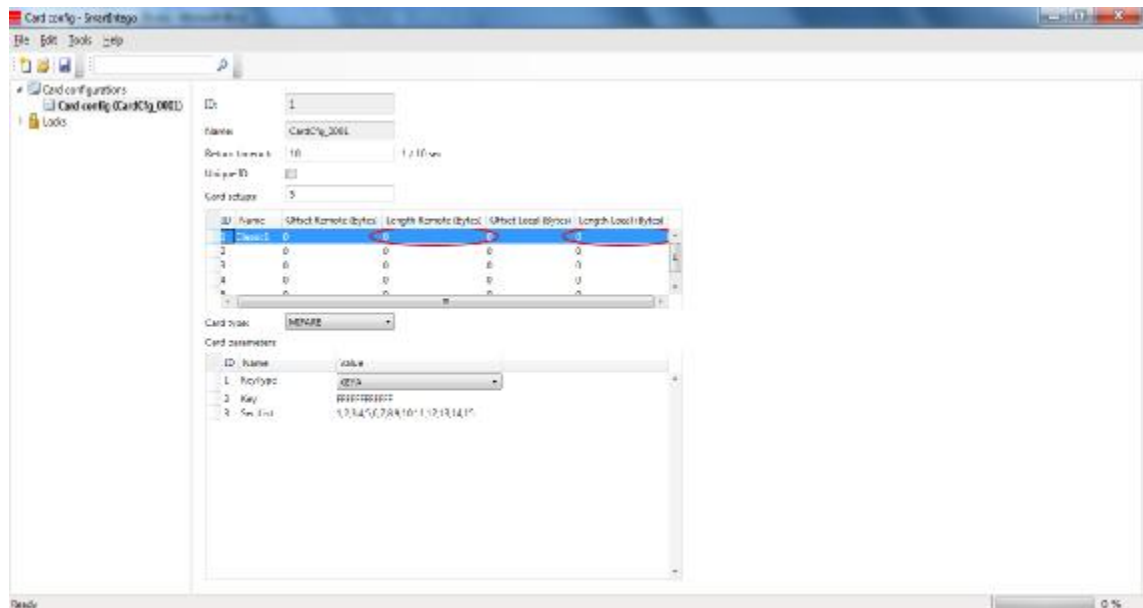
Length Remote (Bytes): configurable

Offset Local (Bytes): configurable

Length Local (Bytes): configurable

Red marked area shows a missing or wrong entry

Note: Card parameters have to be entered by the System Integrator

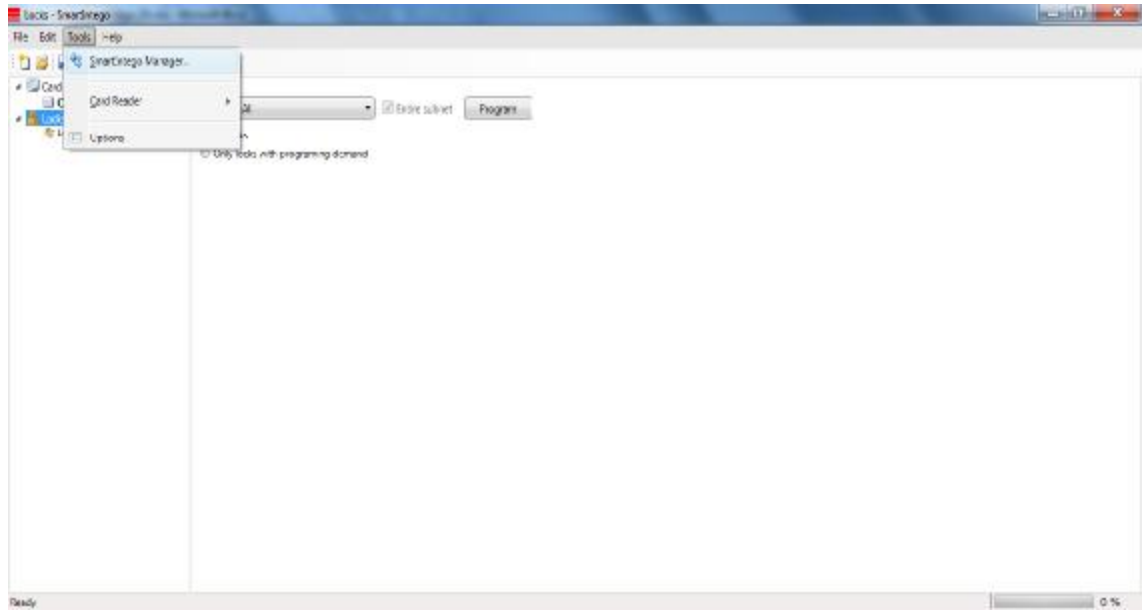






## QUICK GUIDE SMART INTEGO

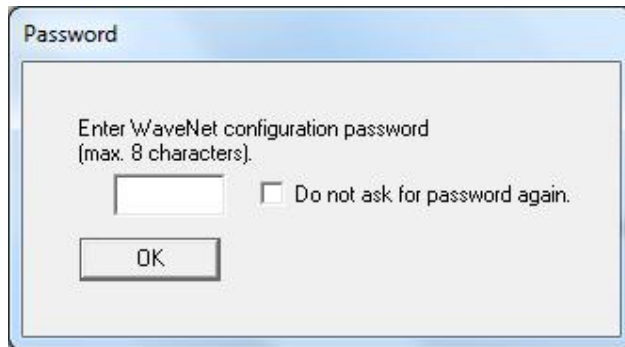
Start SmartIntego Manager in order to configure the radio network settings.  
Tools → SmartIntego Manager



## QUICK GUIDE SMART INTEGO

Enter password for network components. Store this password at a save place!!! If password is lost SimonsVoss has no possibility to restore the password.

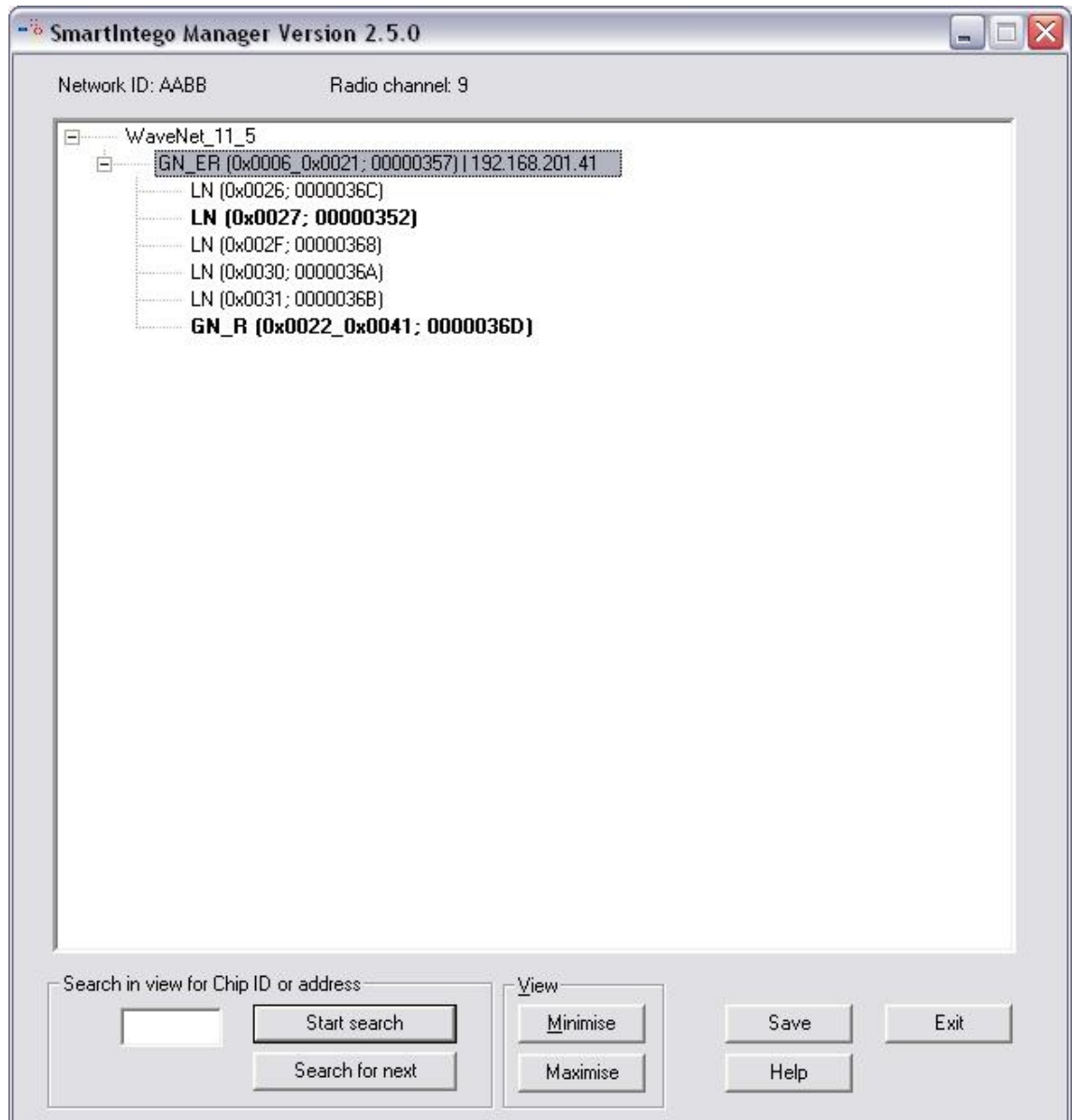
If you select "Do not ask for password again", this image will **never** appear again!!!



A screenshot of a Windows-style dialog box titled "Password". The dialog box has a light blue title bar and a white background. Inside the dialog, the text "Enter WaveNet configuration password (max. 8 characters)." is displayed. Below this text is a text input field. To the right of the input field is a checkbox with the label "Do not ask for password again.". Below the input field and checkbox is an "OK" button.

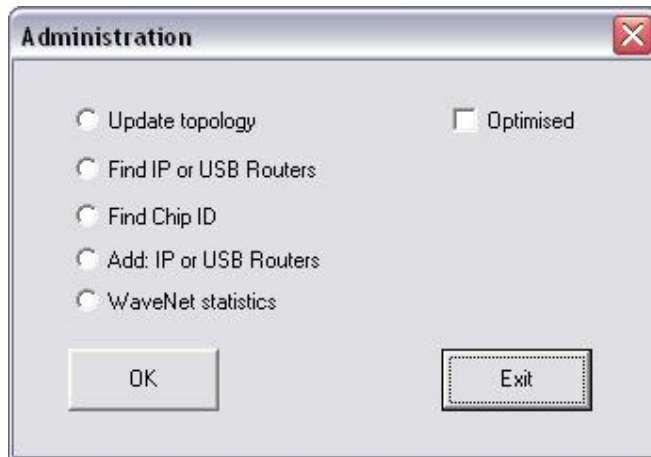
## QUICK GUIDE SMART INTEGO

Software interface for radio network settings SmartIntego Manager. Right mouse click on "WaveNet\_11\_5".

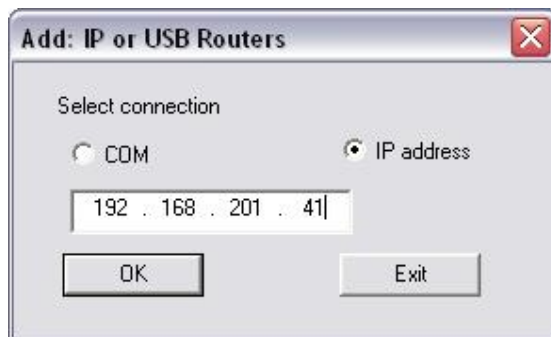


## QUICK GUIDE SMART INTEGO

Select “Add: CN\_U(X), CN\_S(X), RN\_E(X) or RN\_W(X)” to add a GatewayNode to the SmartIntego Manager and click “OK”.

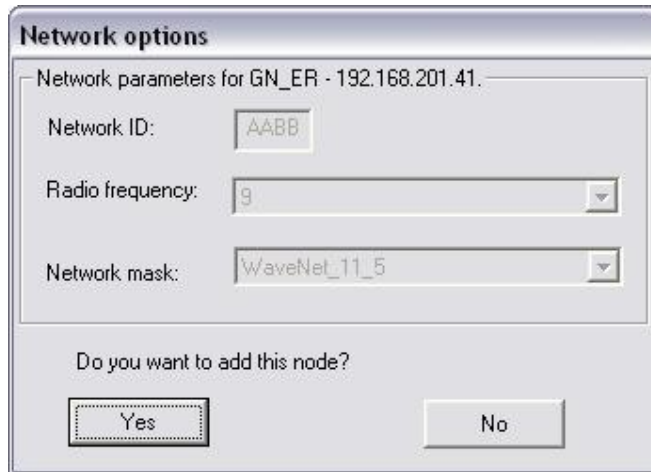


“Select IP address” and enter the IP address for the GatewayNode.



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Network ID: e.g. 4780 as a Network ID have been chosen by the software randomly. This Network ID in conjunction with the password makes your radio network unique.



**Network options**

Network parameters for GN\_ER - 192.168.201.41.

Network ID:

Radio frequency:

Network mask:

Do you want to add this node?

## QUICK GUIDE SMART INTEGO

Here you can choose your frequency for you radio network. Please ensure there are no other devices using the same frequency, as this can affect the performance of all related networks.

Calculation of frequency:  $868,1\text{MHz} + n * 0,2$  ( $n=1,2,\dots,9$ )

Network options

Network parameters for RN\_ER - 169.254.244.165.

Network ID: 4780

Radio frequency: 1

Network mask:

Do you want to add this node:

Yes

1  
2  
3  
4  
5  
6  
7  
8  
9  
11 for Malaysia (868,100000 MHz)  
12 for Hong Kong (868,050000 MHz)

Network mask:

For SmartIntego the network mask 11\_5 has to be chosen

Please click "Yes" in order to add this node. Once the settings are finalised, this option will never appear again unless you are resetting/deleting all devices and starting with a new radio network setup.

Network options

Network parameters for RN\_ER - 169.254.244.165.

Network ID: 4780

Radio frequency: 1

Network mask: WaveNet\_11\_5

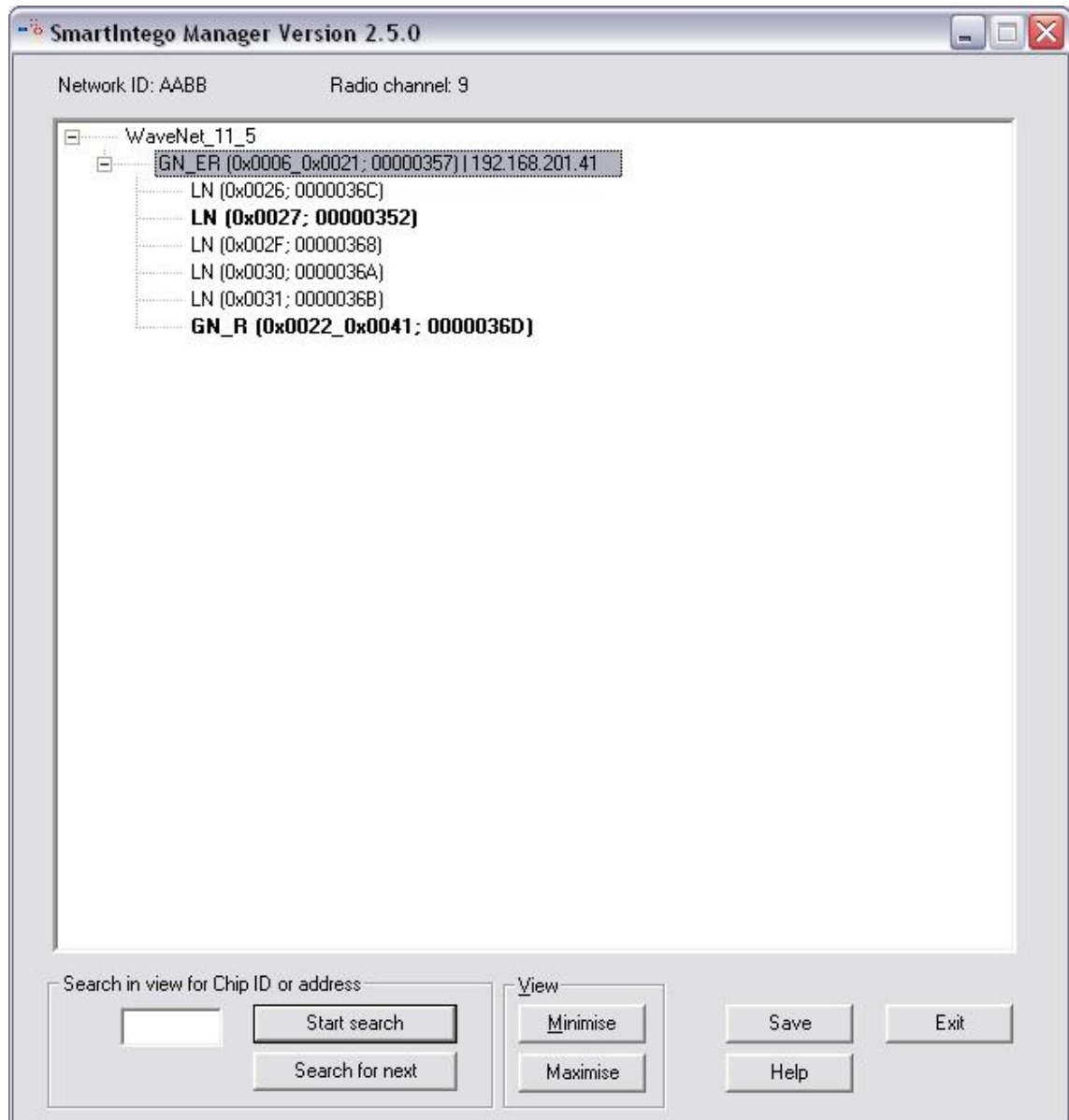
Do you want to add this node:

Yes No

WaveNet\_8\_8  
WaveNet\_11\_5  
WaveNet\_12\_4

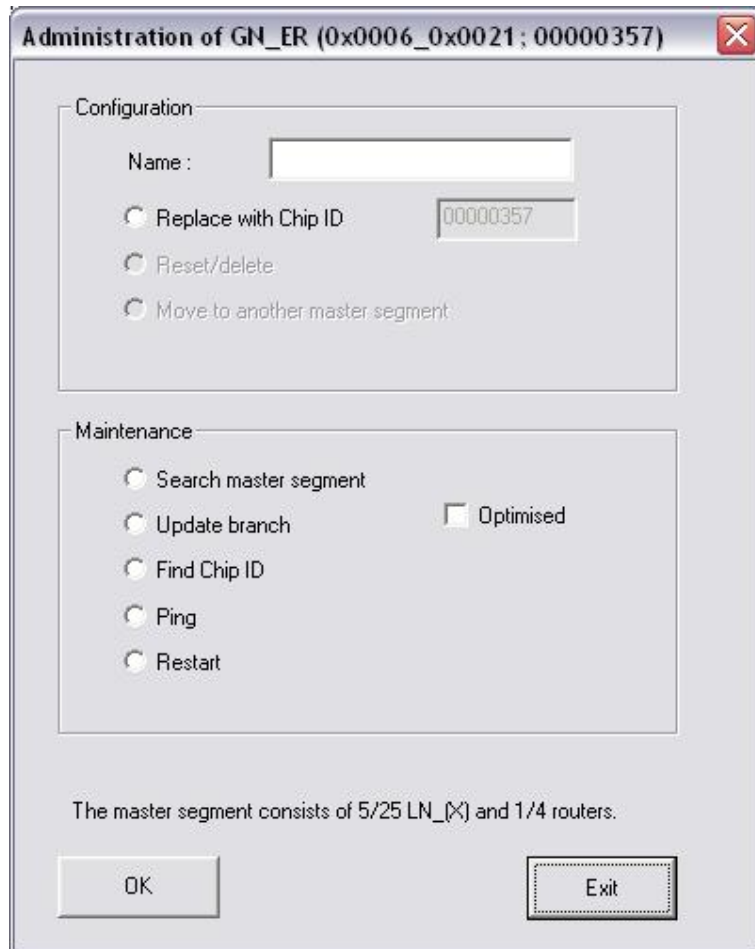
## QUICK GUIDE SMART INTEGO

The window displays a successful configured GatewayNode. Highlight the GatewayNode (GN) by right mouse click.

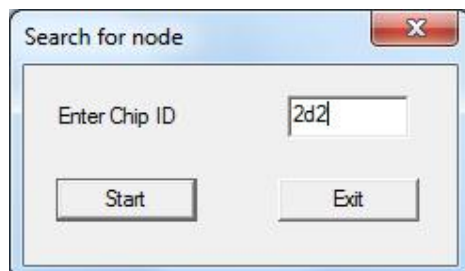


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Enter the Name for the door description (i.e. Main Entrance)  
Select "Find Chip ID" and click on "OK"



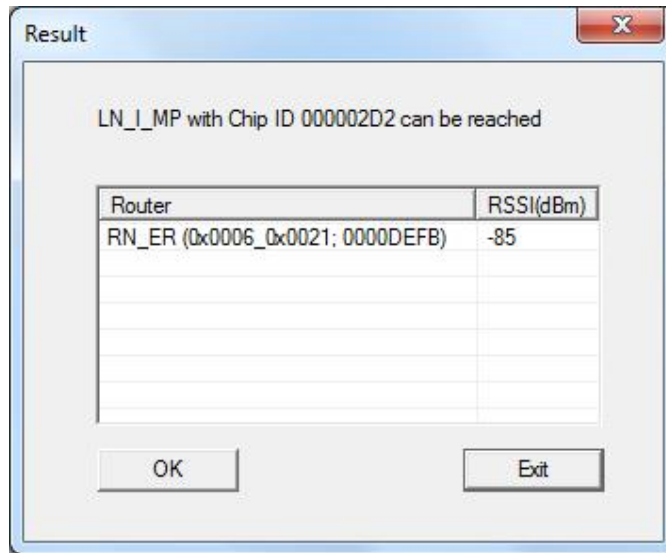
Enter the Chip ID which is labelled on the cylinder box / inside SmartHandle packaging à e.g. 2d2 and which shall be assigned to the GN and click "Start"





## QUICK GUIDE SMART INTEGO

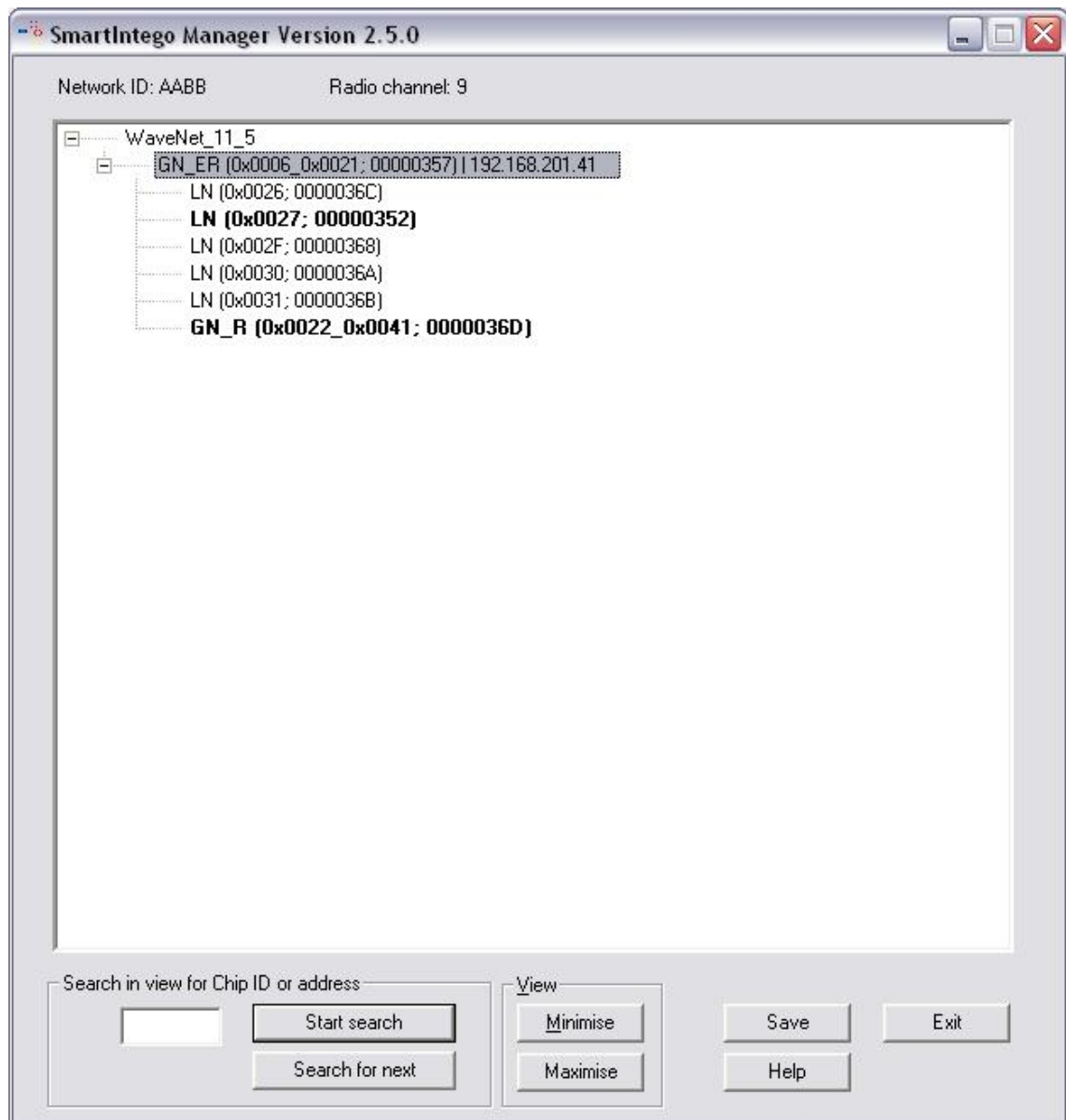
Select the entry and click "OK"



## QUICK GUIDE SMART INTEGO

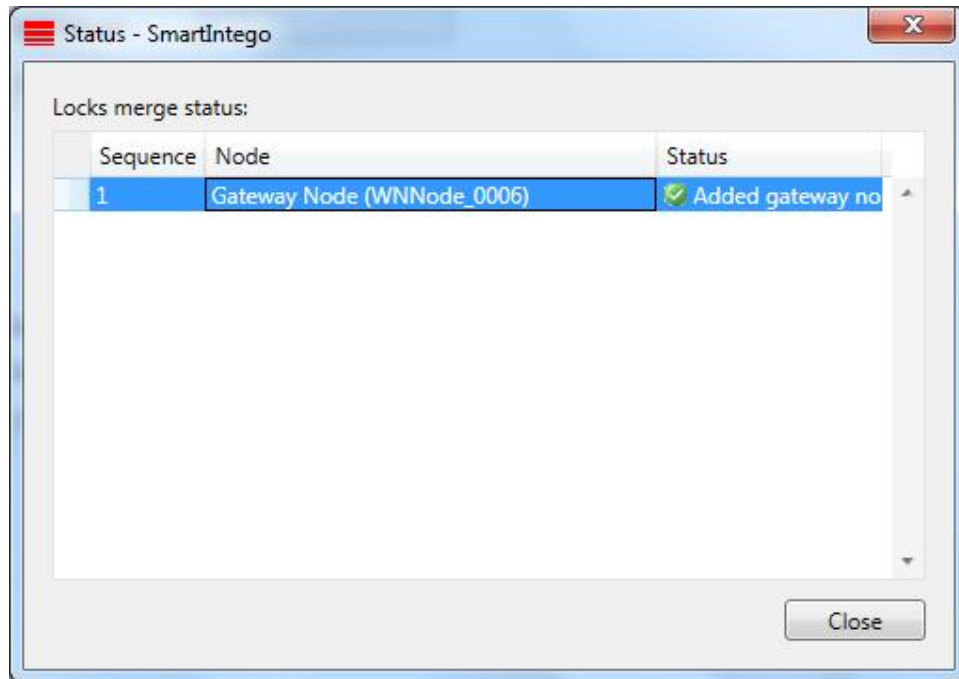
The image shows a successful configured segment. Please proceed in the same way with additional devices.

When all Nodes have been configured successfully, please click on “Save” to proceed.



## QUICK GUIDE SMART INTEGO

After click on "Exit" this image appears.



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Click on Locks à Lock (Main Entrance)

ID: not configurable

Name: configurable

Address: not configurable

Chip ID: not configurable

Version: not configurable

SID(System ID) / LID (Lock ID): not configurable

PHI (Physical Hardware Identifier): not configurable

Scandinavian fire mode: ticking the check box means the lock stays engaged for a defined time à disengaging after defined time or double batching with an authorised card.

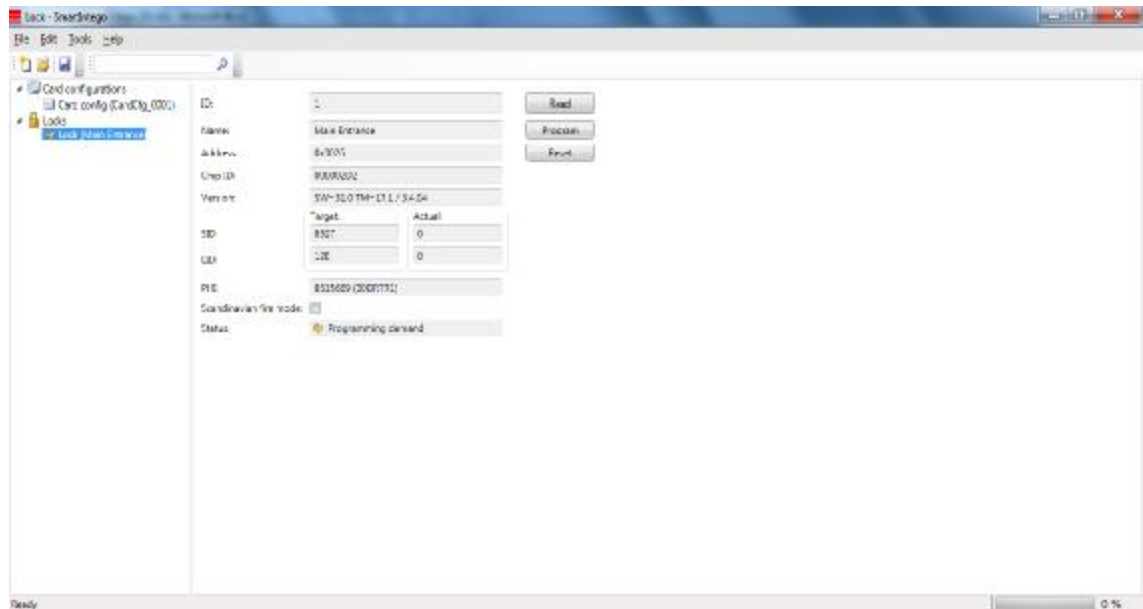
Status: Programming demand à lock(s) need to be programmed

Status: OK à no further action required

Read: read out the lock via the radio link

Program: Programming of the lock via the radio link

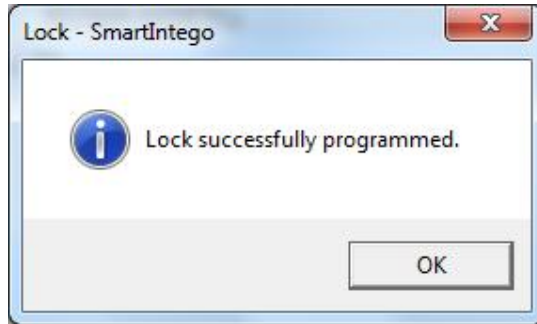
Reset: Resetting the lock via the radio link to default



## QUICK GUIDE SMART INTEGO

If you want to programme an unprogrammed lock you've to click on "Read" first. After that execute "Program" (top right).

This image appears after programming.



### 7.0 RESETTING LOCKS

1. Select appropriate lock in SmartIntego configuration software
2. Execute "Reset" button. If successfully reset a yellow programming demand appears again.
3. Start SmartIntego Manager in order to "Reset /delete" the LockNode

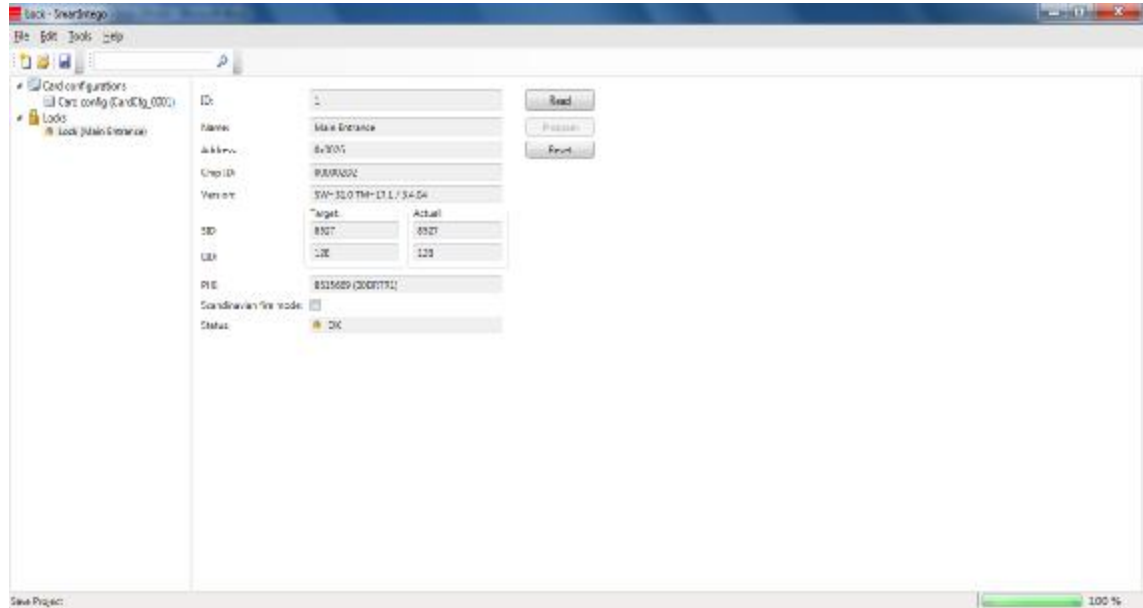
### 8.0 ADDITIONAL INFORMATION

ChipID: Displayed on the packaging label à Lock / GatewayNode  
Additional sticker included for your documentation.

PHI: Displayed on the packaging label à Lock + cylinder housing

## QUICK GUIDE SMART INTEGO

The lock is successfully programmed if “Target” and “Actual” for SID and LID are showing the same entries and “Status” is showing “OK”.



Once the configuration and programming is done, a .csv file must be created. “File” à Export à Configuration Data. This .csv file must be imported to the ACP.

