BOSCH

Access Controller

AMC-4W

EN   Configuration Software

Bosch Security Systems | V1.0/2005-07

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Bosch Access Systems GmbH
Adenauerstr. 20 / A3
D-52146 Würselen
Germany.

Contents

1. Please Observe the Following Notes

1.1. Explanation of Used Symbols

Throughout this document, helpful tips, important notes, cautions and warnings are presented differently. Their appearance is as follows:

Warning!

These warn the operator that serious damage to persons or the equipment might occur.

Important Notes – should be followed for successful operation and programming. Tips and shortcuts might also be included here.

Cross Reference

Please, refer to the referenced document or chapter to obtain additional information about the topic.

1.2. Internet

If you need further information on this product or information on other products, please refer to our website at http://www.boschsecurity.com.

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Bosch Security Systems
Adenauer Straße 20 / A3
52146 Würselen
Germany

Tel.:   +49 24 05 / 60 05-0
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Email: info.service@de.bosch.com
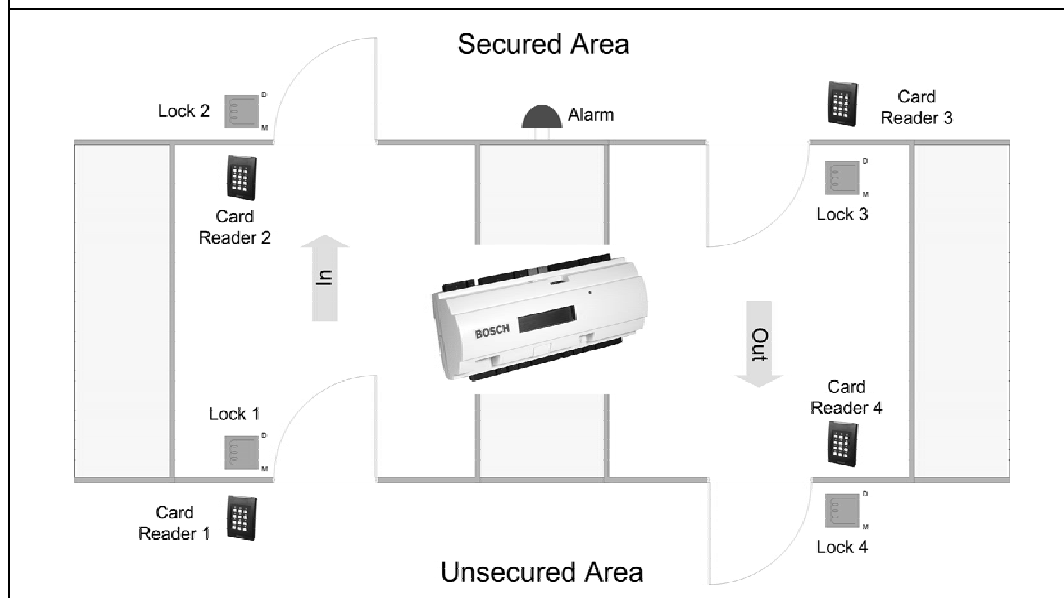
2. Description of the AMC-4W

The AMC-4W is able to control directly up to four doors, each with one reader in one direction only or 2 doors with a reader in each direction. For this purpose the AMC-4W is equipped with four independent interfaces for Wiegand type readers.

Figure 1: The Access Controller AMC-4W

All necessary information for access verification is stored in a battery buffered on-board memory and a Compact Flash Memory Card. This guarantees autonomous access decisions and complete access registrations even if the management host system is offline. The built in compact flash adapter provides de facto unlimited storage for cardholders and events, simply by exchanging the standard compact flash card with one with 128 MB, 256 MB, 512 MB or 1 GB capacity.

Figure 2: The AMC-4W in a four door safety lock

The AMC-4W can communicate upstream to the host computer via eight RS485 multi-dropped, RS232 or 10/100 MBit Ethernet. It has eight analog inputs eight relay outputs. With its analog input devices, the AMC-4W verifies if a lock is closed or open. The relay outputs can be used to activate lock mechanisms if access is granted, or activate an external alarm system if an intrusion or system alert is detected.

The AMC-4W provides an IP protocol stack completely developed by Bosch. There are no third party operating systems and there is no vulnerability by viruses. The AMC-4W electronic is completely covered by a plastic housing and the LC Display gives all important status information.
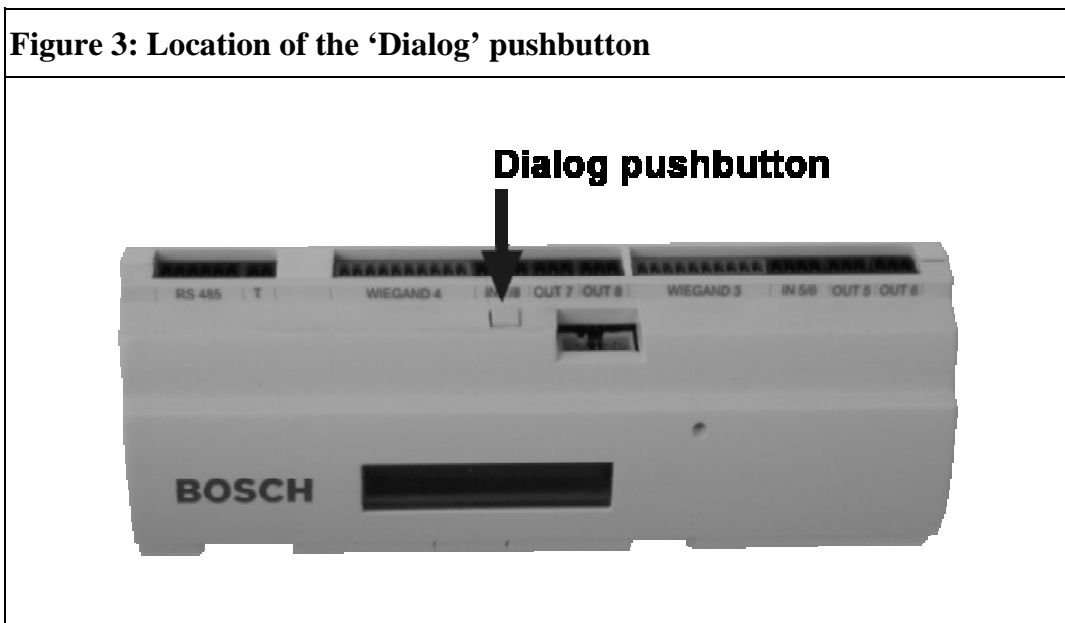
The setup procedure for an AMC-4W is very simple and extremely fast due to the use of door templates. As soon as the template is selected all the inputs and outputs are defined.

Using the AMC-4W gives you the full functionality and the offline capability of a complete access control system on each room. This leads to an excellent reliability and a very high redundancy without paying extra money.

3. Operating the AMC-4

3.1. Status Display of the AMC-4

While operating the LCD display delivers information about the AMC-4 status. Push the 'Dialog' pushbutton to switch between the different modes.

Figure 3: Location of the 'Dialog' pushbutton

The currently set display mode remains until the next operation of the 'dialog' pushbutton.

Push	Display:	Description:

Push	Display:	Description:
0	**V00.35 02.05.05**	Software version of the downloader
1	**99999876543210 A**	Bosch serial number and bus address A = address 1 B = address 2 C = address 3 D = address 4 E = address 5 F = address 6 G = address 7 H = address 8
2	**02.05 15:35:15**	Current date and time
3	**Mac 0010174C8A0C**	MAC address
4	**Na**	Network name
5	**I192.168.10.18**	IP address of the AMC-4
6	**H0.0.0.0**	IP address of the host

7	**DHCP 1**	DHCP
		  - 1 = on
		  - 0 = off

8	**D192.168.10.1**	IP address of the DNS server

9	**Host: -**	Host activity,
		  + online
		  - offline

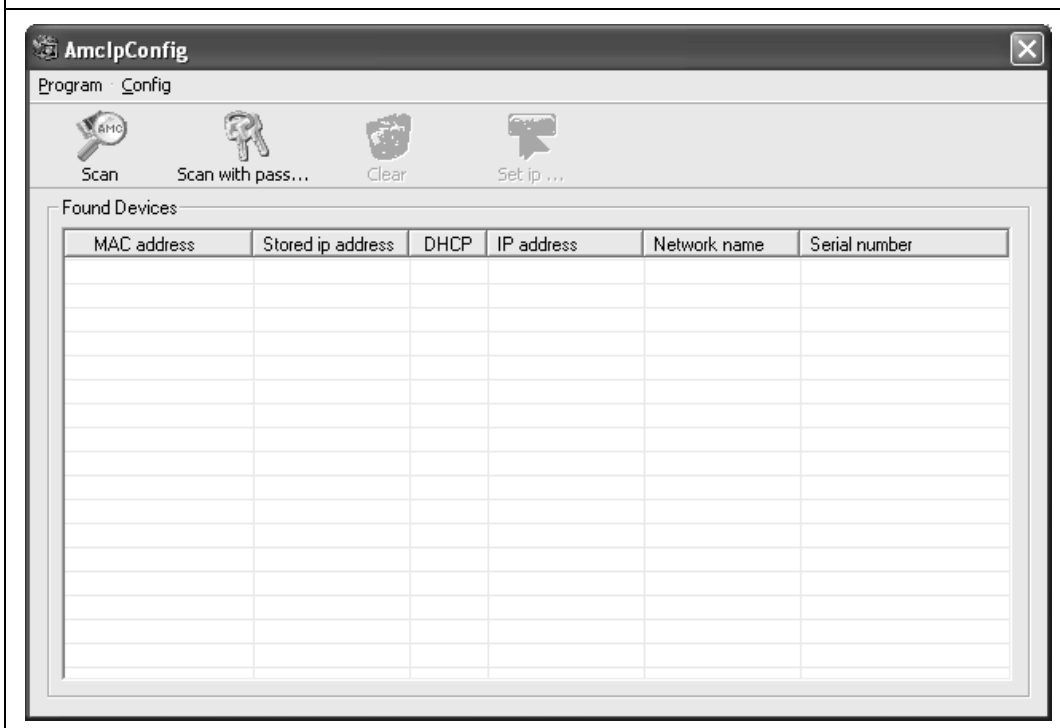## 3.2.   Configuring the Ethernet Interface

To configure the AMC-4W in a TCP/IP network environment use the software Windows tool **AmcIpConfig** delivered in the tools directory of the provided CD.

This application checks your local network for all available AMC-4 devices and returns their current status. Then it configures an AMC-4W such that it integrates in your TCP/IP network configuration.

3.2.1.   Starting the AmcIpConfig Application

1.   Click on the Windows 'Start' menu

2.   Click 'Execute'.

3.   Click 'Browse'.

4.   Select the tools folder of the AMC-4W CD and search for the application **AmcIpConfig.exe**.

5.   Select **AmcIpConfig.exe and** click on 'Open'.

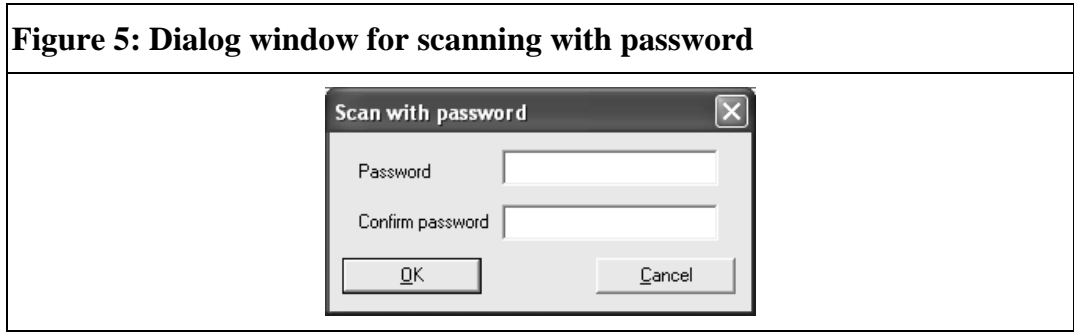6.   Click 'OK' to start the application.

Figure 4: The AmcIpConfig application

3.2.2.   Scanning of Local Area Network for AMC-4W Devices
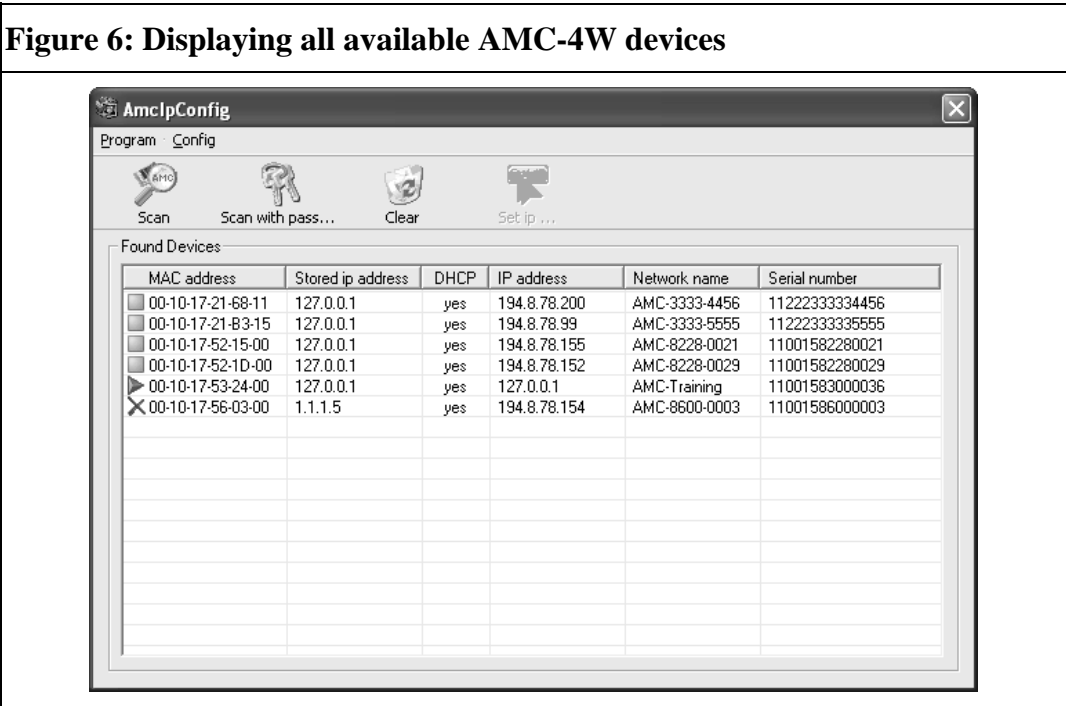
To scan your local area network for available AMC-4W devices click on the **Scan** symbol in the toolbar or select **Scan** in the **config** menu. If you want

change AMC-4W with password protection use **Scan with pass…** instead of Scan**.** In this case you must enter the password for your AMC-4W.

Figure 5: Dialog window for scanning with password

The application scans your local area network for all available AMC-4W devices and displays their MAC-addresses, stored IP-addresses, DHCP status, IP-Address, device name and serial number in the table. The AMC-4 is marked as follows:

▢ not password protected (only if you scan with password)
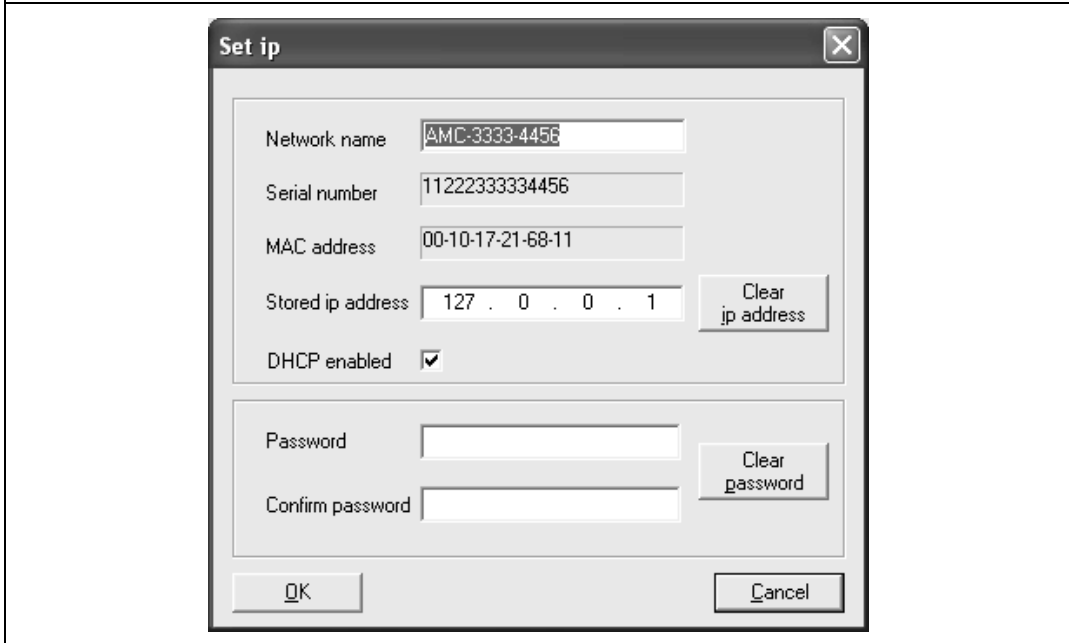
▷ password matched

✕ protected with unknown password

Figure 6: Displaying all available AMC-4W devices

3.2.3.   Configuration of an AMC-4

1. Select the AMC-4W that you want to configure. The designated device is now highlighted.

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2. Click on the **Set IP** button in the toolbar or select the menu item **IP Config** in the menu bar or double click on the highlighted item.

3. The configuration dialog opens.

Figure 7: Configuration dialog

Set ip

Network name   AMC-3333-4456

Serial number   11222333334456

MAC address   00-10-17-21-68-11

Stored ip address   127 . 0 . 0 . 1   Clear ip address

DHCP enabled   ☑

Password   Clear password

Confirm password

OK   Cancel

---

4. Select a unique name to identify the AMC-4 in the list of devices.

5. Serial number and MAC address of the AMC-4 are predefined and cannot be changed.

6. Select a fixed IP address for the AMC-4 device. If you're not sure which address to fill in, please, ask your local system administrator.

7. If a DHCP server is available in your local area network, you can select the **DHCP enabled** checkbox to assign an IP address automatically.

8. If you want the AMC-4W to be protected by a password, enter the password and its confirmation.

9. Click on **Ok** to confirm these settings.

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