

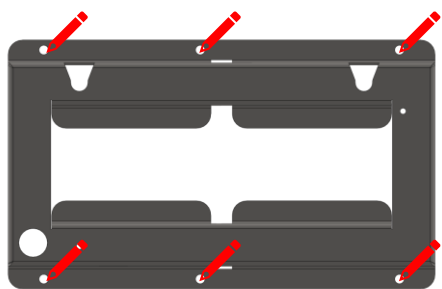
Install KEY-MASTER Integra

Contents

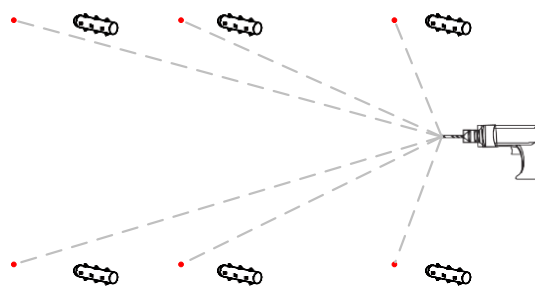
Installing the hardware	3
Mounting the wall mount bracket	3
Mounting the KEY-MASTER Integra 10	3
Mounting the KEY-MASTER Integra 4+	4
Emergency opening.....	4
Software configuration	5
Paxton door controller	5
Configure the door controller.....	5
give the device an IP address	6
Naming TCP/IP Ethernet interfaces	7
Advanced tab of config utility.....	7
VLAN recommended	7
Connection over a Wide-Area Network (WAN)	7
Connecting to the PC directly	7
Troubleshooting	7
Configure the door	8
Paxton I/O controller (Only for Integra 4+)	9
Configure the IO controller	9
Detection of the I/O boards	10
Configure the inputs.....	12
Checking the log.....	13

Installing the hardware

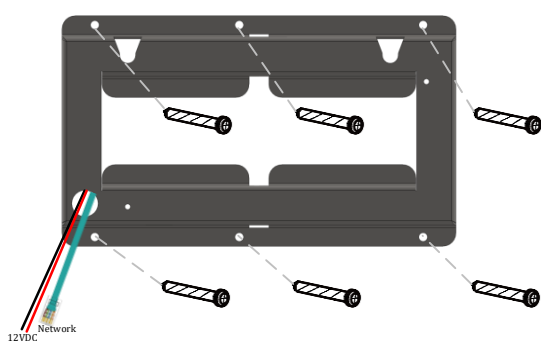
Mounting the wall mount bracket



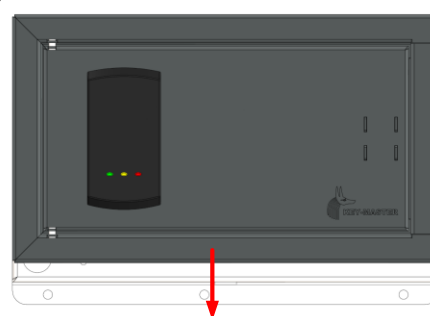
Mark the six holes of the wall-mounting bracket on the wall.



Remove the bracket to drill (6 mm drill bit required) the two marked fixing holes on the wall with a depth of 25 mm. Then insert six plastic wall anchors.

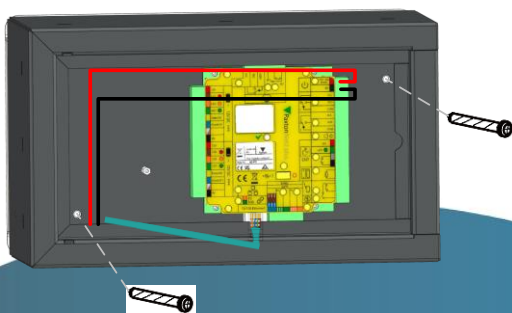


Fix the wall-mounting bracket on the wall with six M5x30 screws. Also put the 12Vdc and network cable trough the provided hole.

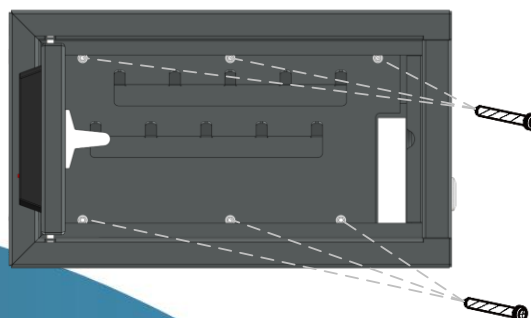


Put the 12VDC and network cable through the hole in the cabinet, hang the cabinet on the wall mount and pull it down. Be careful you don't crush the cables!

Mounting the KEY-MASTER Integra 10

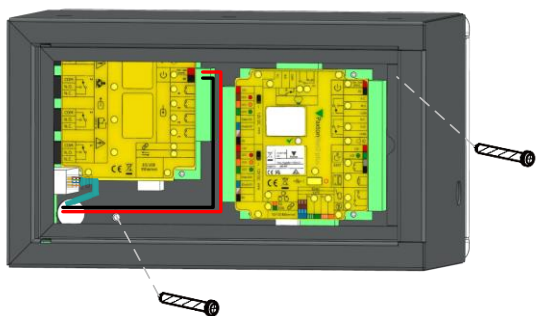


Anchor the cabinet on the wall mount with 2 x M5x20 bolts. And connect the 12DC and network to the Net2 plus controller.

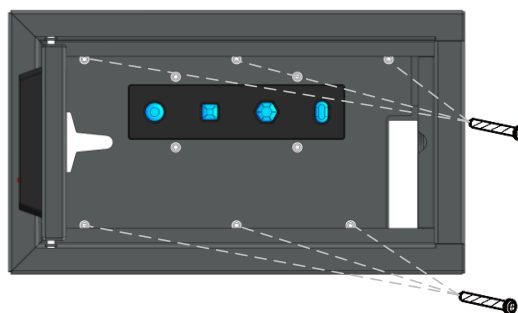


Insert now the 10key cover plate and anchor it with 6 x M5x20 bolts.

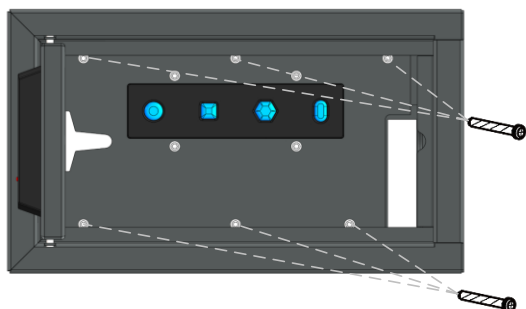
Mounting the KEY-MASTER Integra 4+



Ancher the cabinet on the wall mount with 2 x M5x20 bolts. And connect the 12VDC to the Net2 IO controller. And the network cable to the switch on the left side of the cabinet.



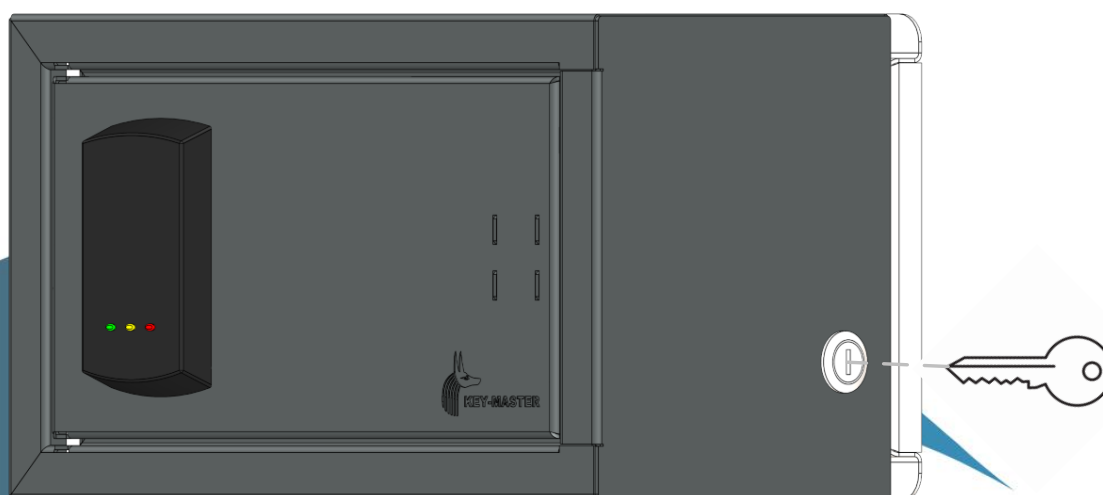
Connect the 8 wires on the back of the 4+ cover to the Net2 IO controller inputs.



Insert now the 4+ cover plate and anchor it with 6 x M5x20 bolts.

Emergency opening

For emergency opening put the emergency key into the keyslot on the side of the cabinet and turn the key right the door will now open.



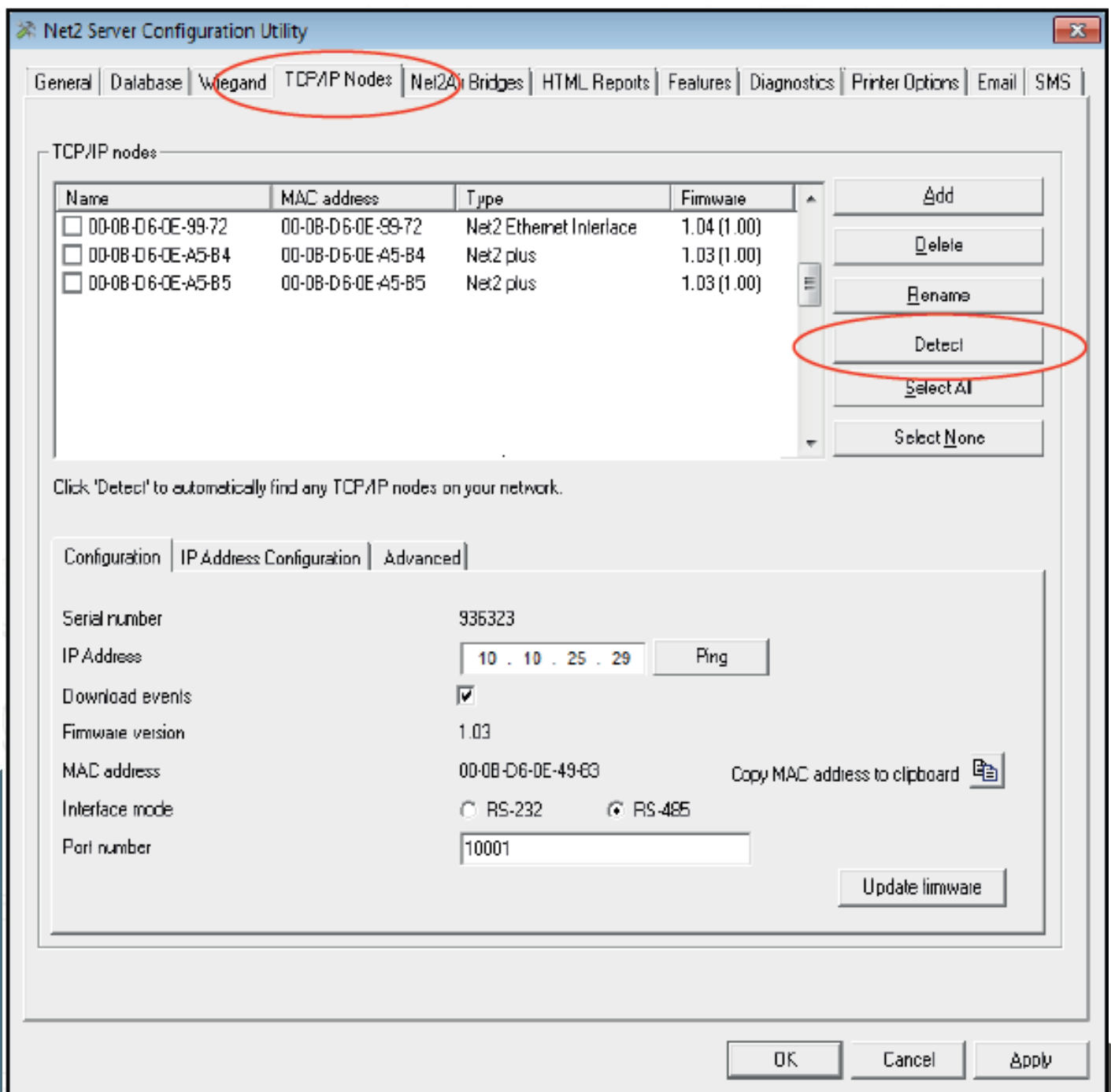
Software configuration

Paxton door controller

Configure the door controller

For full manual see Paxton manual NET2 APN-1006

The Net2 plus is configured using the Net2 Server Configuration Utility, by selecting the TCP/IP nodes tab. Depending on the specific details of the Ethernet network, you may be able to detect the Net2 plus, simply by clicking Detect. If this doesn't find it, then you will have to Click 'Add' and enter the IP Address manually. The unit supports DHCP, which means that a DHCP server can issue its IP address. Alternatively, the IP address **can be manually entered**. **The recommended method of obtaining an IP address is by DHCP. A reservation should be**



Net2 Server Configuration Utility

General Database Wiegand TCP/IP Nodes **Net2A** Bridges HTML Reports Features Diagnostics Printer Options Email SMS

TCP/IP nodes

Name	MAC address	Type	Firmware
☐ 00-08-D6-0E-99-72	00-08-D6-0E-99-72	Net2 Ethernet Interface	1.04 (1.00)
☐ 00-08-D6-0E-A5-B4	00-08-D6-0E-A5-B4	Net2 plus	1.03 (1.00)
☐ 00-08-D6-0E-A5-B5	00-08-D6-0E-A5-B5	Net2 plus	1.03 (1.00)

Add
Delete
Rename
Detect
Select All
Select None

Click 'Detect' to automatically find any TCP/IP nodes on your network.

Configuration IP Address Configuration Advanced

Serial number 935323

IP Address 10 . 10 . 25 . 29 Ping

Download events ☒

Firmware version 1.03

MAC address 00-08-D6-0E-49-63 Copy MAC address to clipboard

Interface mode ☐ RS-232 ☒ RS-485

Port number 10001

Update firmware

OK Cancel Apply

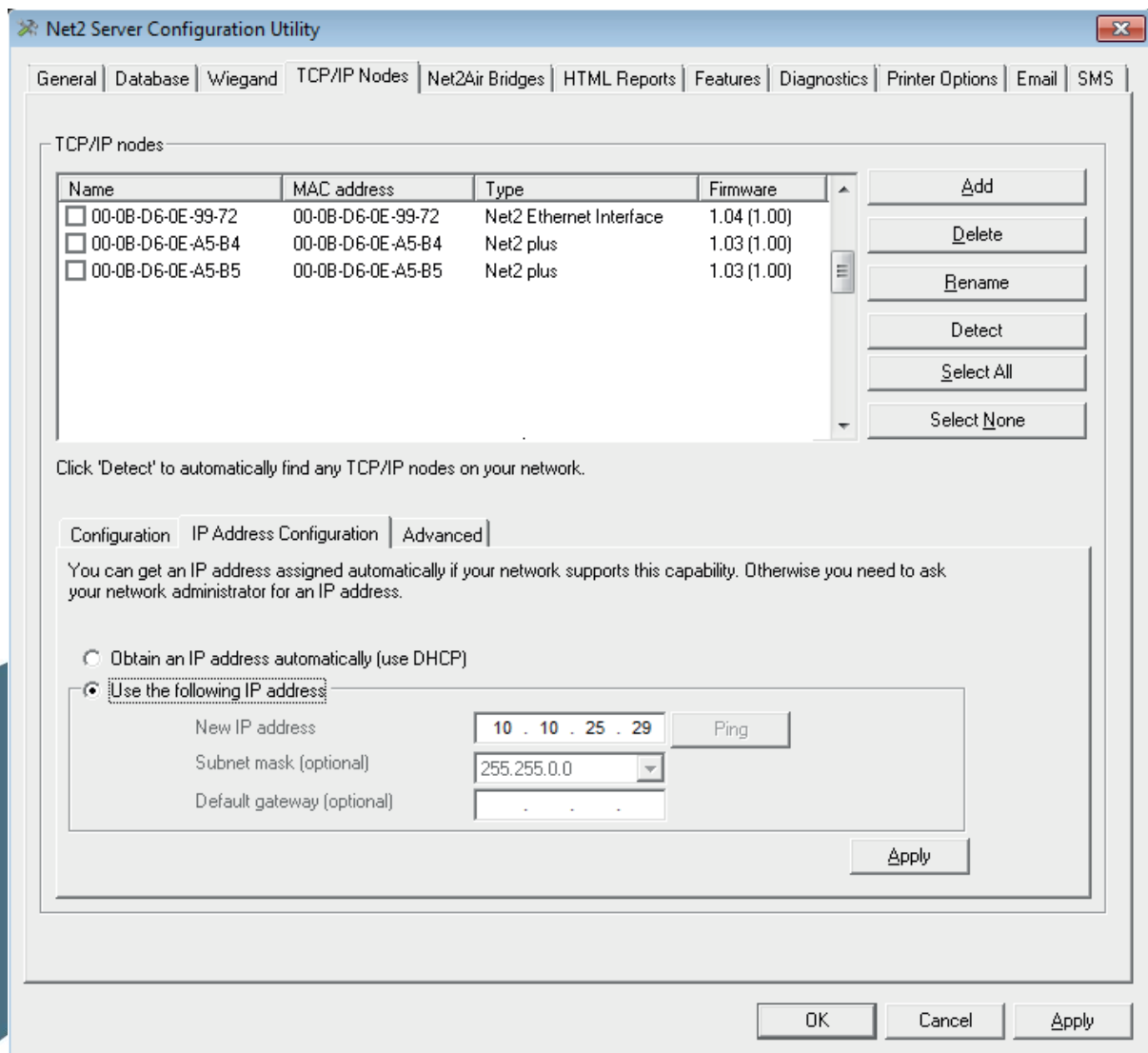
made in the DHCP server, to ensure that the same IP address is issued each time, should the unit be reset. Consult your network administrator on detail of how to reserve IP addresses. The unit's MAC address can be read from inside the plastic enclosure, and will be required by the Network administrator to enter the reservation.

The list box, at the top of the TCP/IP nodes tab, will list all of the units that have either been found or manually entered. There is a check box next to each entry, which allows each unit to be enabled or disabled.

You can test that the units are responding, by selecting them and clicking the Ping button.

give the device an IP address

If the Ethernet network does not have a DHCP server, then the IP address must be set manually, using the Net2 Server Configuration Utility. Select the IP address configuration tab. The network administrator should be able to advise you on suitable values to use. Check the 'Use the following IP address' button and enter the chosen address in the box. This will fix the IP address of the interface.



Net2 Server Configuration Utility

General | Database | Wiegand | **TCP/IP Nodes** | Net2Air Bridges | HTML Reports | Features | Diagnostics | Printer Options | Email | SMS

TCP/IP nodes

Name	MAC address	Type	Firmware
☐ 00-0B-D6-0E-99-72	00-0B-D6-0E-99-72	Net2 Ethernet Interface	1.04 (1.00)
☐ 00-0B-D6-0E-A5-B4	00-0B-D6-0E-A5-B4	Net2 plus	1.03 (1.00)
☐ 00-0B-D6-0E-A5-B5	00-0B-D6-0E-A5-B5	Net2 plus	1.03 (1.00)

Buttons: Add, Delete, Rename, Detect, Select All, Select None

Click 'Detect' to automatically find any TCP/IP nodes on your network.

Configuration | **IP Address Configuration** | Advanced

You can get an IP address assigned automatically if your network supports this capability. Otherwise you need to ask your network administrator for an IP address.

☐ Obtain an IP address automatically (use DHCP)

☒ Use the following IP address

New IP address: Ping

Subnet mask (optional):

Default gateway (optional):

Apply

OK Cancel Apply

Naming TCP/IP Ethernet interfaces

The rename button can be used to give an interface a meaningful name in the system. This can be especially useful when more than one interface is used, as the name will appear in the doors screen within Net2 showing which ACU's are connected to which data line, helping in any future fault finding process.

Advanced tab of config utility

Network latency can be amended for sites with slow or busy TCP/IP networks. The advanced options should only be changed following advice from Paxton Technical Support

VLAN recommended

On sites with high levels of broadcast traffic (CCTV, etc) this option is highly recommended and should be implemented wherever possible. VLAN's allow administrators to set up their networks by logically grouping devices. IP addresses, subnet masks, and local network protocols require fewer local server resources in this environment. Services can be more effectively deployed when they span buildings within a single VLAN. See also: [AN1085 - Recommendations for using Net2 with LAN and WAN networks.](#) < <http://paxton.info/970> >

Connection over a Wide-Area Network (WAN)

If you are connecting the interface to a WAN or to a network with a different subnet, you must first fix the remote IP address, subnet mask and return gateway in the unit before taking it to the remote site.

The PC that has the Net2 server installed must be able to access the IP address range on the WAN\remote site. This may require the routers and gateways to be configured between the networks. Again, this would be done by the I.T\Network administrator of that site.

Once installed, use the Add button to create a record in the nodes table (if none was created during initial set-up) and you should then be able to detect its MAC by entering the IP address in the Configuration screen Ping box.

Connecting to the PC directly

The Net2 plus unit can be connected to the PC via a standard network patch cable.

Troubleshooting

If you detect the MAC address but the device now shows 'Not Responding', check the IP address to make sure it is still in range with the PC or network. If it is not, you should either change the PC's IP address or the Ethernet interface's IP address so they are both again in the same range. Our Technical team can talk you through this if you need help.

If the MAC address does not appear when you click 'Detect' then you will need to check that the following ports are open:-

9999	TCP
10001	TCP
30718	UDP

If you still cannot detect the MAC address of the Ethernet interface then connect it directly to your PC via a crossover cable and call our Technical Help line.

Configure the door

Configure the reader and door like the settings below

PAXTON - Net2 Toegangscontrole

Bestand Overzicht Ga naar Extra's Opties Help

Terug Vooruit Vernieuwen Zoek een gebruiker Beheer deuren Nieuwe deur Timesheet **API TLS Certificaat verlopen**

Net2 Toegangscontrole

- Gebeurtenissen
- Gebruikers
- Authorisaties
- Tijdschema's
- Deuren
- Key-Master Integra 4+
- Integra 4+
- ACU 8303845
- IO Modules
- Integra 4+ IO
- Triggers en acties
- Camera's
- Plattegronden
- Rapporten
- Net2 systeembeheerders

Integra 4+

ACU serienummer: 08270344

Deur naam: Integra 4+

Deur groep: Key-Master Integra 4+

Deur openingstijd: 5 seconden

Open deur automatisch gedurende:

Nooit toegang

☐ Ontgrendel de deur nadat een geldige gebruiker toegang gekregen heeft

☐ Stille weiking

Schakel relais 2 gedurende:

Nooit toegang

Lezer 1 | Lezer 2 | Alarm | Gebeurtenissen | Integratie met brandmeldpaneel | Integratie met inbraak-systeem | Bevoegdheden

Lezer details

Naam lezer: Integra 4+ (n)

Type lezer: Paxton lezer

Type keypad: Geen

Kaart data formaat: Standaard

Werkingsmodus

Lezer werkingsmode: ☒ Enkel kaart

☐ Tijd gestuurde mode - Dit is mogelijk voor diverse lezers gedurende een geselecteerd tijdschema.

Gedurende dit tijdschema: 24 uur / 7 dagen

Deze lezer zal werken als: ☒ Niet actief

Deur actie - Wat valt u dat er gebeurt als er een geldige kaart of pin is aangeboden:

Relais 1 schakelt gedurende deur openingstijd

Uitvoeren Annuleren Deur openen Identifieren

Net2 acties

- Deur openen
- Uitloggen

Net2 details

Integra 4+

Net2 documentatie

Paxton I/O controller (Only for Integra 4+)

For full manual see Paxton manual NET2 APN-1066

Configure the IO controller

If you detect the MAC address but the device now shows 'Not Responding', check the IP address to make sure it is still in range with the PC or network. If it is not, you should either change the PC's IP address or the Ethernet interface's IP address so they are both again in the same range. Our Technical team can talk you through this if you need help.

If the MAC address does not appear when you click 'Detect' then you will need to check that the following ports are open:-

6480	TCP
6481	UDP
6482	UDP
6483	UDP

Detect - This will automatically detect all I/O boards on the local network.

Identify - Identifies an I/O board by sounding its on-board sounder.

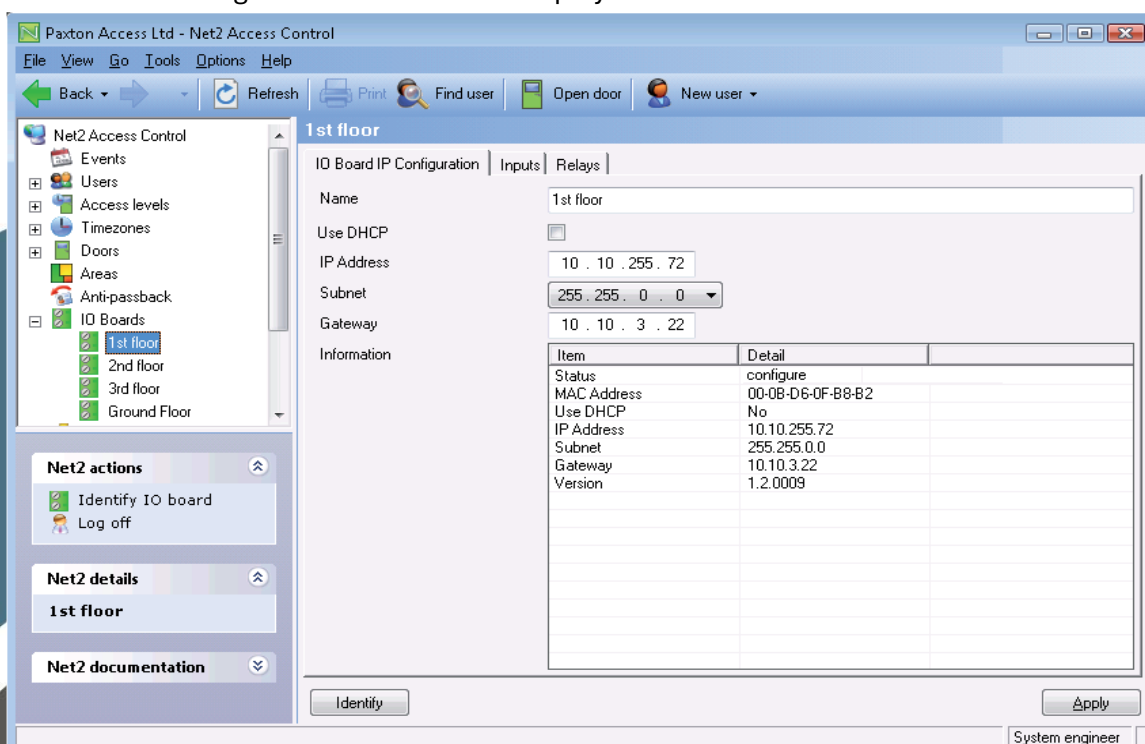
Remove - Deletes an I/O board.

The main display lists I/O boards on the network, displaying a green tick if communicating with it, the name of each board, the MAC address and IP address. Place a check in the box of the I/O boards that you wish to communicate with and Apply. Double clicking on a board will display its settings. The boards name can be amended, and any changes need to be applied to save.

A reservation should be made in the DHCP server, to ensure that the same IP address is issued each time, should the unit be reset. (Fixed IP) Consult your network administrator on detail of how to reserve IP addresses.

Each I/O board has four inputs and outputs; these can be edited in the relevant Inputs and Outputs tabs. By double clicking on the name this will allow you to change the name to give it meaning. e.g. Window contact.

The current settings of the I/O board are displayed in the table.



Paxton Access Ltd - Net2 Access Control

File View Go Tools Options Help

Back Refresh Print Find user Open door New user

Net2 Access Control

- Events
- Users
- Access levels
- Timezones
- Doors
- Areas
- Anti-passback
- IO Boards
 - 1st floor
 - 2nd floor
 - 3rd floor
 - Ground Floor

Net2 actions

- Identify IO board
- Log off

Net2 details

1st floor

Net2 documentation

1st floor

IO Board IP Configuration Inputs Relays

Name: 1st floor

Use DHCP: ☐

IP Address: 10.10.255.72

Subnet: 255.255.0.0

Gateway: 10.10.3.22

Information

Item	Detail
Status	configure
MAC Address	00-0B-D6-0F-B8-B2
Use DHCP	No
IP Address	10.10.255.72
Subnet	255.255.0.0
Gateway	10.10.3.22
Version	1.2.0009

Identify Apply

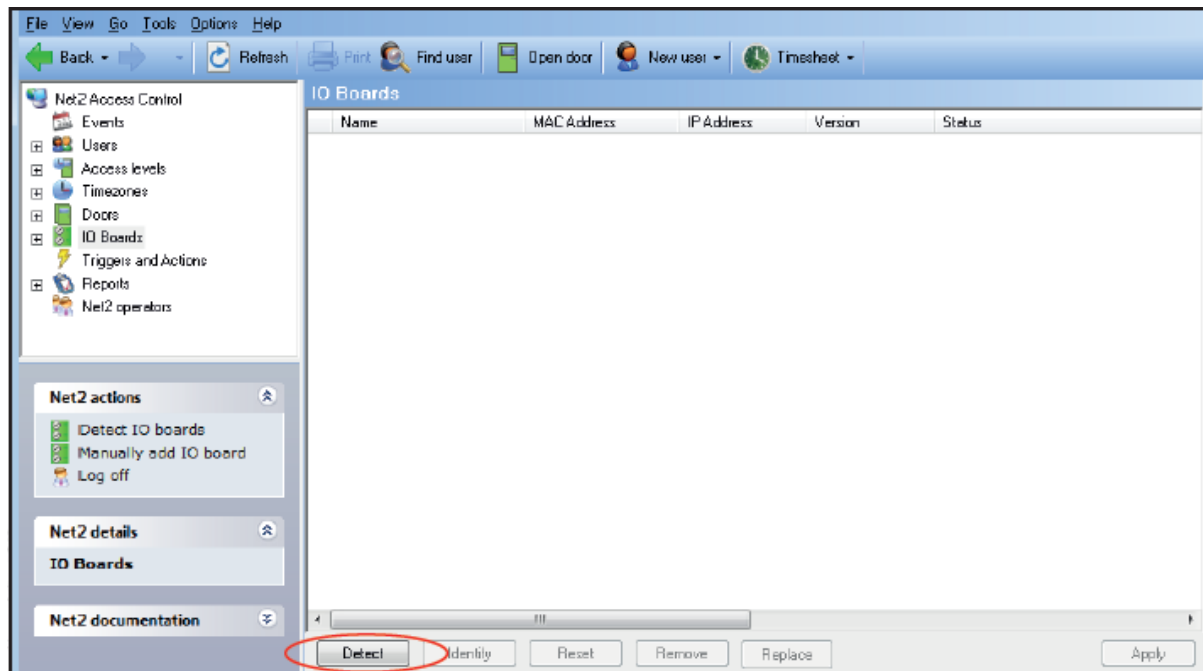
System engineer

If you wish to connect to an I/O board which is located on the far side of a router it will not automatically be detected, you will need to enter the IP settings manually.

Add the board by clicking Manually add I/O board in the Net2 actions menu. Enter the MAC address printed on the board, followed by the IP address, Subnet and Gateway.

Detection of the I/O boards

Select 'I/O boards' in the left hand tree diagram.



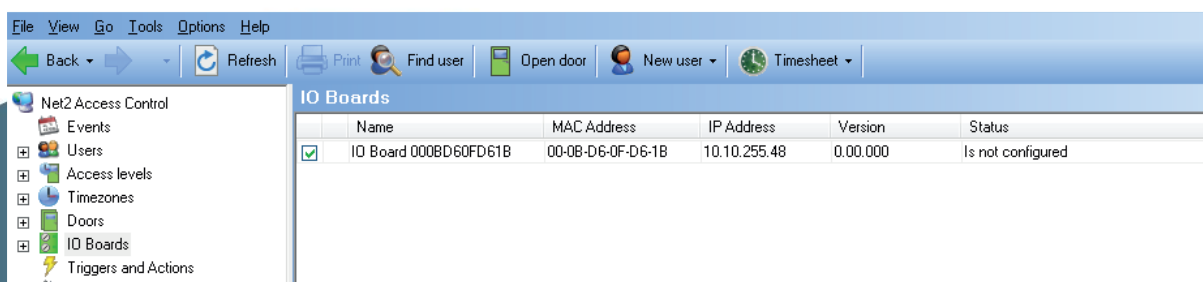
Detect - Clicking on this button will detect all I/O boards on the local network.

Identify - Clicking this button will cause the on-board sounder to 'beep' helping to locate this I/O board.

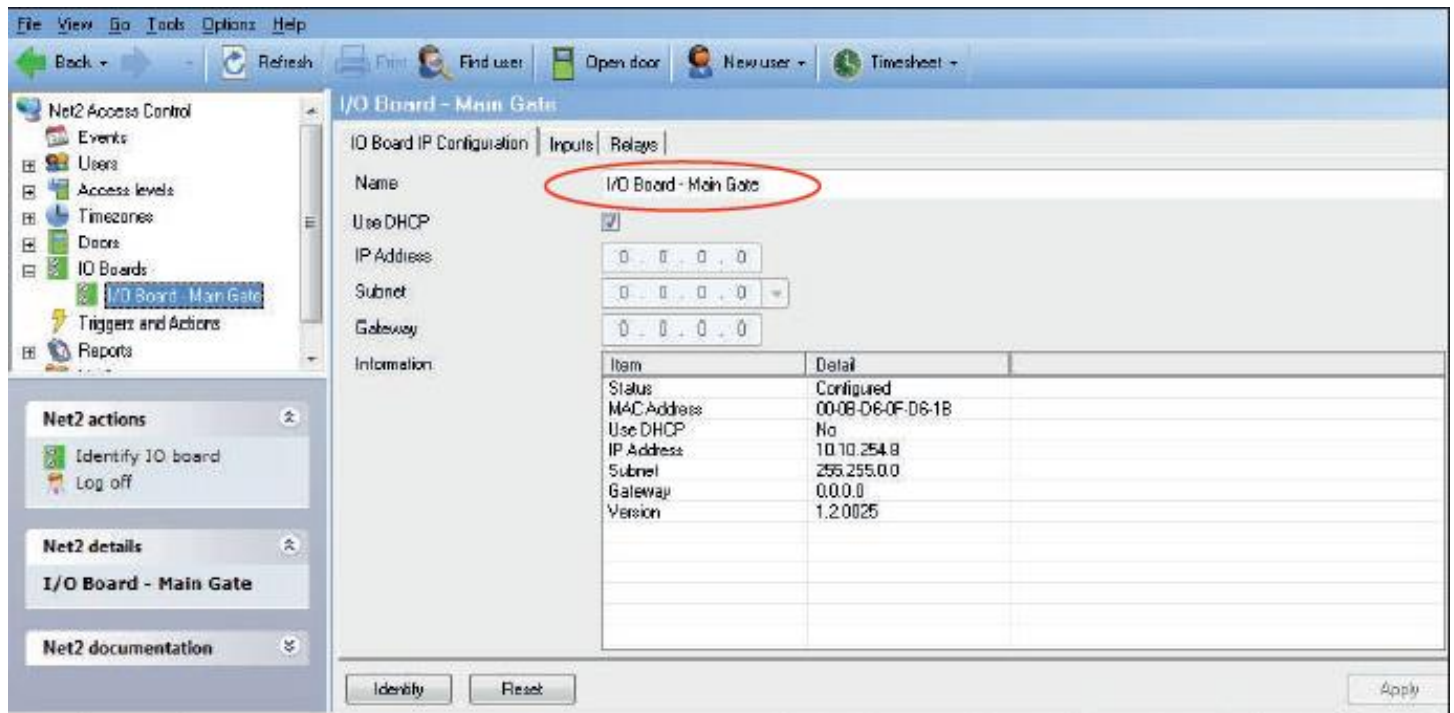
Reset - Clicking on this button will return the user settings to the factory default values.

Remove - Deletes an I/O board from the list.

Replace - This feature will enable an I/O board to be easily replaced. Once the new I/O board is online, a wizard will copy all the settings from the old unit into the new I/O board.



I/O boards that have been detected will be displayed with their MAC address.

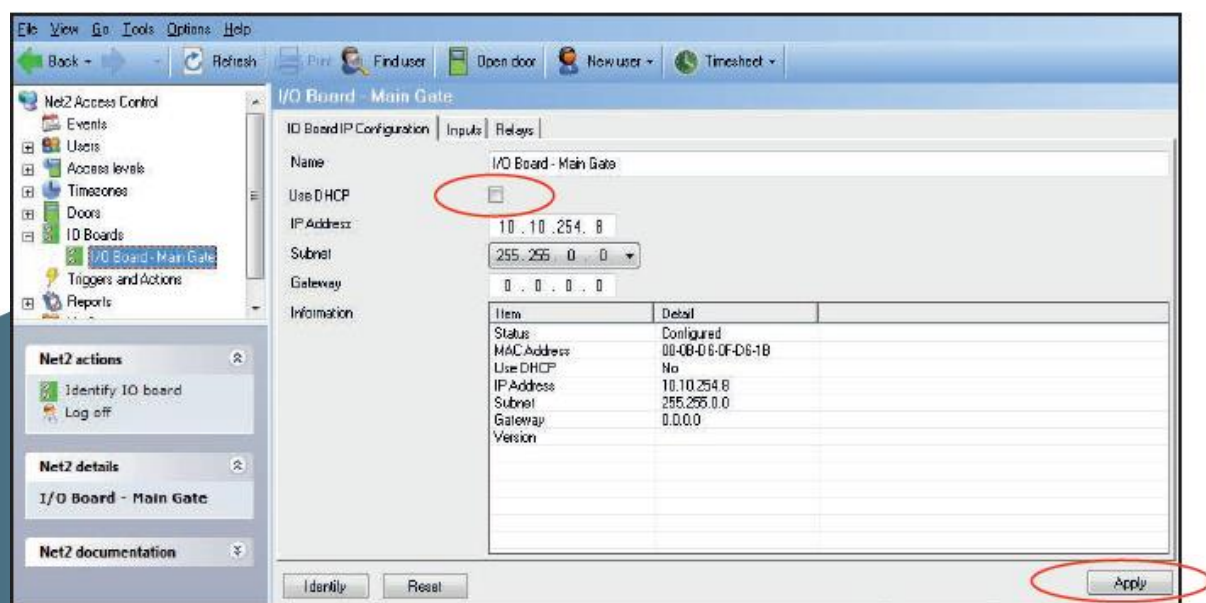


Double click on an entry and it will bring up its configuration screen. The name can be changed as required and then click Apply.

To ensure that the I/O board always has the same IP address, it is recommended that you obtain a fixed/ reserved IP address from the network administrator.

Uncheck the DHCP option and enter the IP address in the text boxes using the ' . ' to move between fields.

Click Apply. The I/O board will store and use this new fixed address.

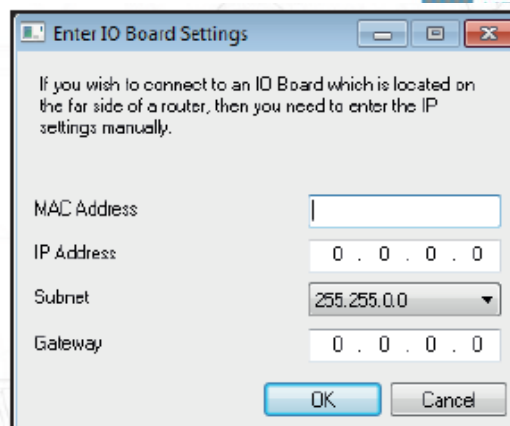
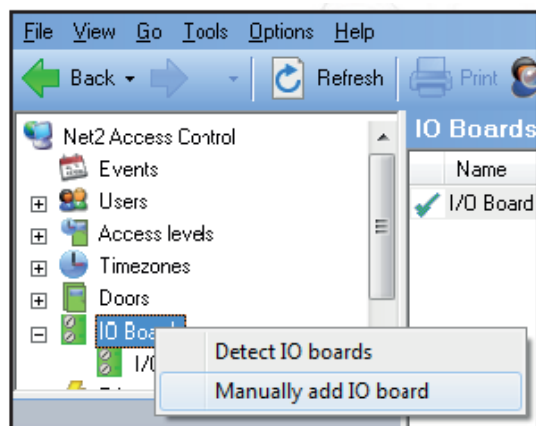


If the I/O board is connected to a different IP range to the PC, it will not be detected. You must therefore make a manual entry in the I/O table so that it can be registered.

Right mouse click the I/O Boards icon in the tree view and then select Manually add I/O board.



Key-Master
The limits for your security



Fill in the fields and click OK to create an entry in the I/O table. The MAC is entered as 12 characters with no spaces.

Click on Detect and the unit should display a tick to show it is responding.

If you detect the MAC address but the device now shows 'Not Responding', you must check the IP address, to make sure it is still in range with the PC or network. If it is not, you should either change the PC's IP address or the I/O board's IP address so they are both again in the same range. Our Technical team can talk you through this if you need help.

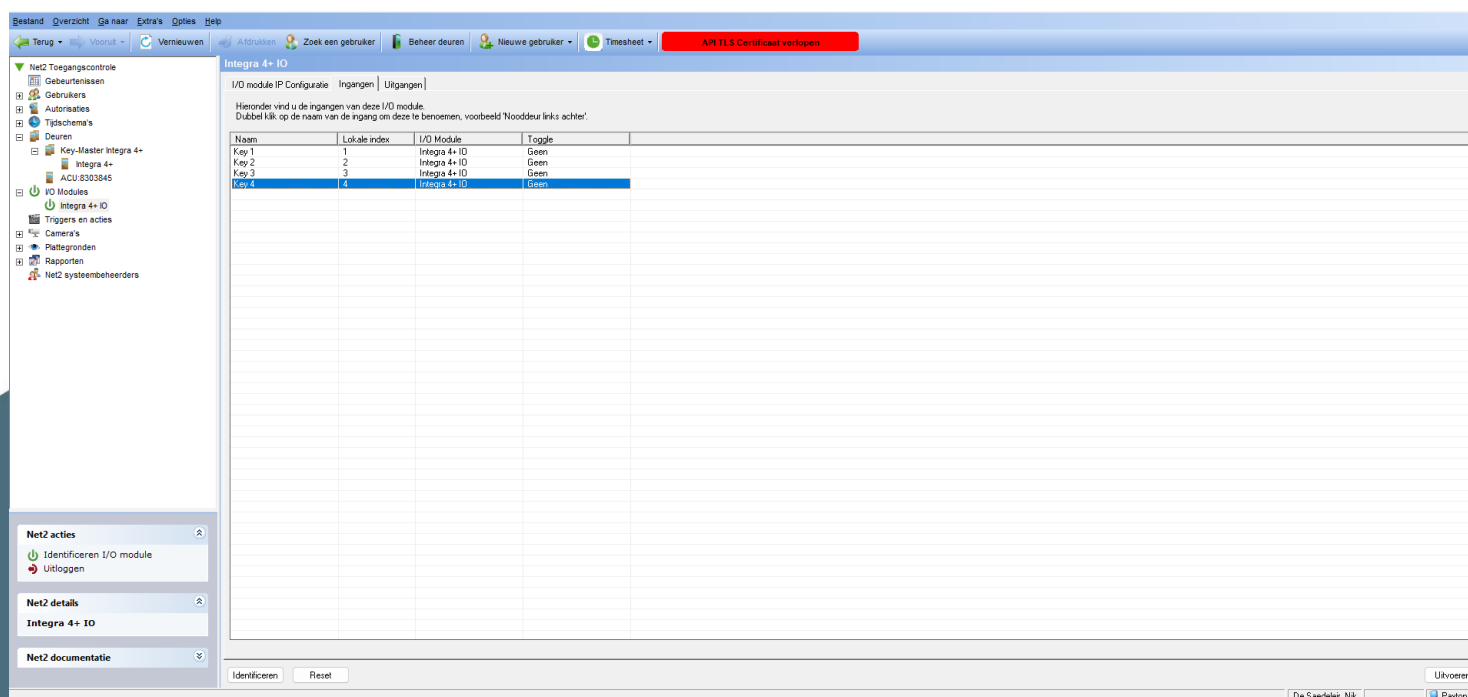
If the MAC address does not appear when you click Detect, ensure that the following ports are open on all devices between this unit and the Net2 PC:-

6480	TCP
6481	UDP

6482	UDP
6483	UDP

Configure the inputs

Once the IO module is connected you can give the input meaning full names. These names are imported because it is what you will find in the log.



Checking the log

When everything is configured you can see the door openings in the log and with a Integra 4+ it is also possible to see if the key is returned or taken by the user who has opened the door.

Bestand Overzicht Ga naar Extra's Opties Help

Terug Voort Vernieuwen Afdrukken Zoek een gebruiker Beheer deuren Nieuwe gebruiker Timesheet API TLS Certificaat verlopen

Net2 Toegangscontrole

- Gebeurtenissen
- Gebruikers
- Authorisaties
- Tipschema's
- Deuren
 - Key-Master Integra 4+
 - ACU 8303845
 - IVO Modules
 - Integra 4+ IO
 - Triggers en acties
 - Camera's
 - Plattegronden
 - Rapporten
 - Net2 systeembeheerders

Net2 acties

- Uitloggen

Net2 details

Gebeurtenissen

Net2 documentatie

Datum/Tijd	Gebruiker	Kaartnummer	Waar	Gebeurtenis	Details
4/29/2024 1:21:34 PM			Integra 4+ IO	Ingang geopend	Key 3
4/29/2024 1:21:33 PM			Integra 4+ IO	Ingang geopend	Key 4
4/29/2024 1:21:27 PM	Miri Sleutelkast	20293845	Key-Master Integra 4+ - Integra 4+	Toegang verleend - met kaart	
4/29/2024 1:21:22 PM			Integra 4+ IO	Ingang gesloten	Key 3
4/29/2024 1:21:20 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:21:19 PM			Integra 4+ IO	Ingang gesloten	Key 2
4/29/2024 1:21:19 PM			Key-Master Integra 4+ - Integra 4+	Deur gesloten	
4/29/2024 1:21:17 PM			Integra 4+ IO	Ingang geopend	Key 2
4/29/2024 1:21:16 PM			Integra 4+ IO	Ingang geopend	Key 1
4/29/2024 1:21:15 PM			Integra 4+ IO	Ingang geopend	Key 3
4/29/2024 1:21:14 PM			Integra 4+ IO	Ingang gesloten	Key 2
4/29/2024 1:21:11 PM			Integra 4+ IO	Ingang geopend	Key 1
4/29/2024 1:21:11 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:21:11 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:21:08 PM			Integra 4+ IO	Ingang gesloten	Key 3
4/29/2024 1:21:07 PM			Integra 4+ IO	Ingang gesloten	Key 4
4/29/2024 1:21:05 PM			Integra 4+ IO	Ingang geopend	Key 4
4/29/2024 1:21:04 PM			Integra 4+ IO	Ingang geopend	Key 3
4/29/2024 1:21:03 PM			Integra 4+ IO	Ingang geopend	Key 2
4/29/2024 1:21:02 PM			Integra 4+ IO	Ingang geopend	Key 1
4/29/2024 1:21:01 PM			Integra 4+ IO	Ingang gesloten	Key 3
4/29/2024 1:20:59 PM			Integra 4+ IO	Ingang gesloten	Key 4
4/29/2024 1:20:57 PM			Integra 4+ IO	Ingang gesloten	Key 2
4/29/2024 1:20:54 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:20:53 PM			Integra 4+ IO	Ingang geopend	Key 1
4/29/2024 1:20:51 PM			Integra 4+ IO	Ingang geopend	Key 2
4/29/2024 1:20:50 PM			Integra 4+ IO	Ingang geopend	Key 3
4/29/2024 1:20:49 PM			Integra 4+ IO	Ingang geopend	Key 4
4/29/2024 1:20:44 PM			Integra 4+ IO	Ingang gesloten	Key 2
4/29/2024 1:20:42 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:20:39 PM			Integra 4+ IO	Ingang gesloten	Key 3
4/29/2024 1:20:36 PM			Integra 4+ IO	Ingang gesloten	Key 4
4/29/2024 1:20:34 PM			Integra 4+ IO	Ingang geopend	Key 4
4/29/2024 1:20:33 PM			Integra 4+ IO	Ingang geopend	Key 3
4/29/2024 1:20:32 PM			Integra 4+ IO	Ingang geopend	Key 2
4/29/2024 1:20:31 PM			Integra 4+ IO	Ingang geopend	Key 1
4/29/2024 1:20:31 PM			Key-Master Integra 4+ - Integra 4+	Deur open gelaten	
4/29/2024 1:20:29 PM			Integra 4+ IO	Ingang gesloten	Key 1
4/29/2024 1:20:27 PM			Integra 4+ IO	Ingang gesloten	Key 2
4/29/2024 1:20:25 PM			Integra 4+ IO	Ingang gesloten	Key 3
4/29/2024 1:20:23 PM			Integra 4+ IO	Ingang gesloten	Key 4
4/29/2024 1:20:21 PM			Integra 4+ IO	Ingang geopend	Key 4
4/29/2024 1:20:20 PM			Integra 4+ IO	Ingang geopend	Key 3

De Saedeleir, NIK 1047 Items Paxton