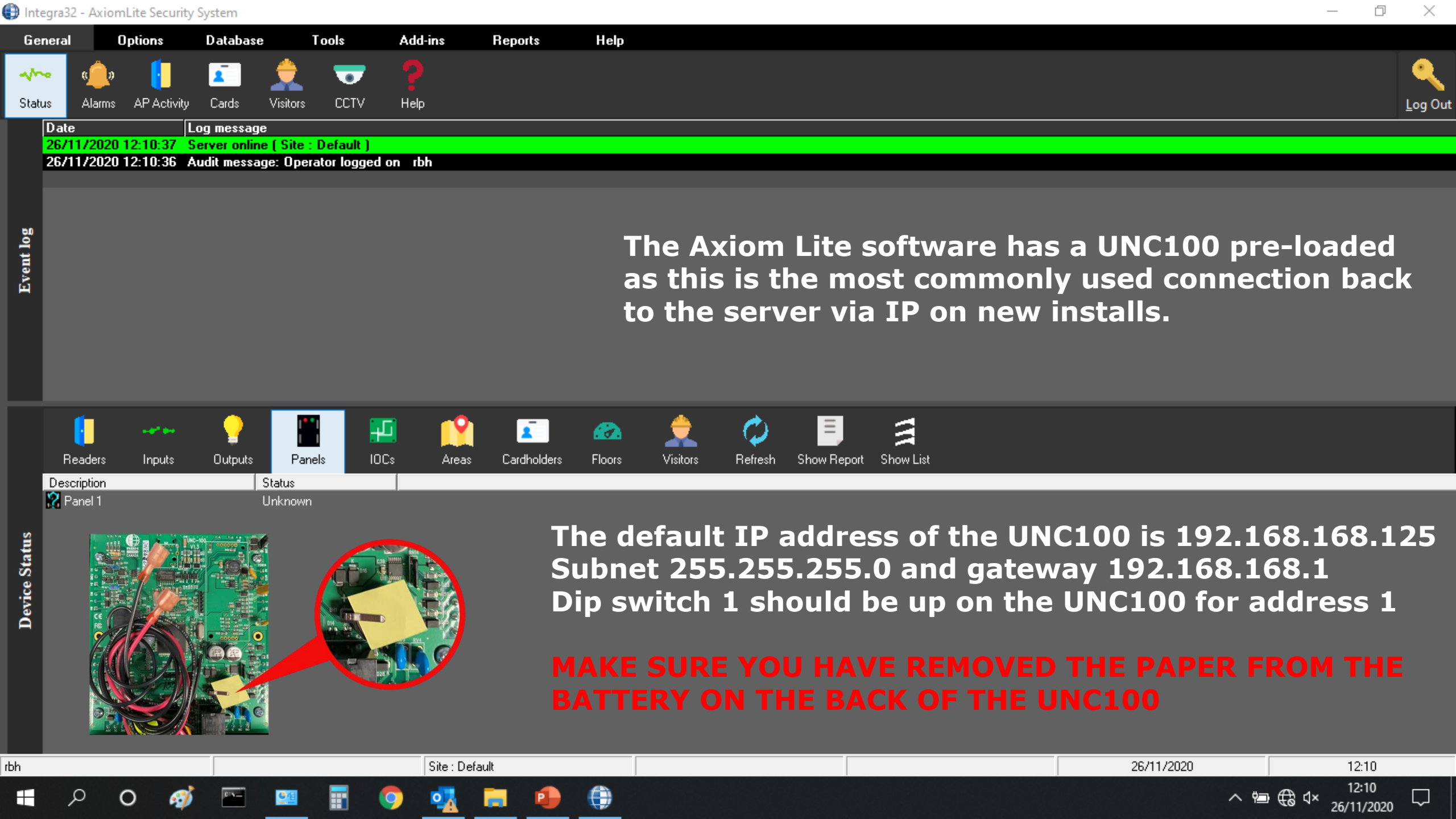# Axiom Lite™

Hardware Install Guide

The software should be registered straight away. If the 14 day trial is allowed to expire the software will be unusable until registration is completed.
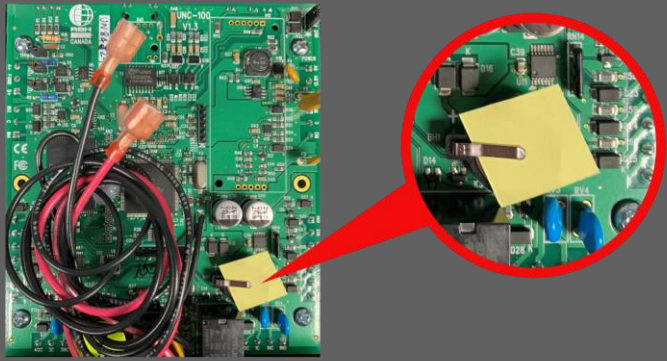
RBH ACCESS

WWW.RBHSECURITYGROUP.CO.UK

The Axiom Lite software has a UNC100 pre-loaded as this is the most commonly used connection back to the server via IP on new installs.

The default IP address of the UNC100 is 192.168.168.125
Subnet 255.255.255.0 and gateway 192.168.168.1
Dip switch 1 should be up on the UNC100 for address 1

MAKE SURE YOU HAVE REMOVED THE PAPER FROM THE BATTERY ON THE BACK OF THE UNC100
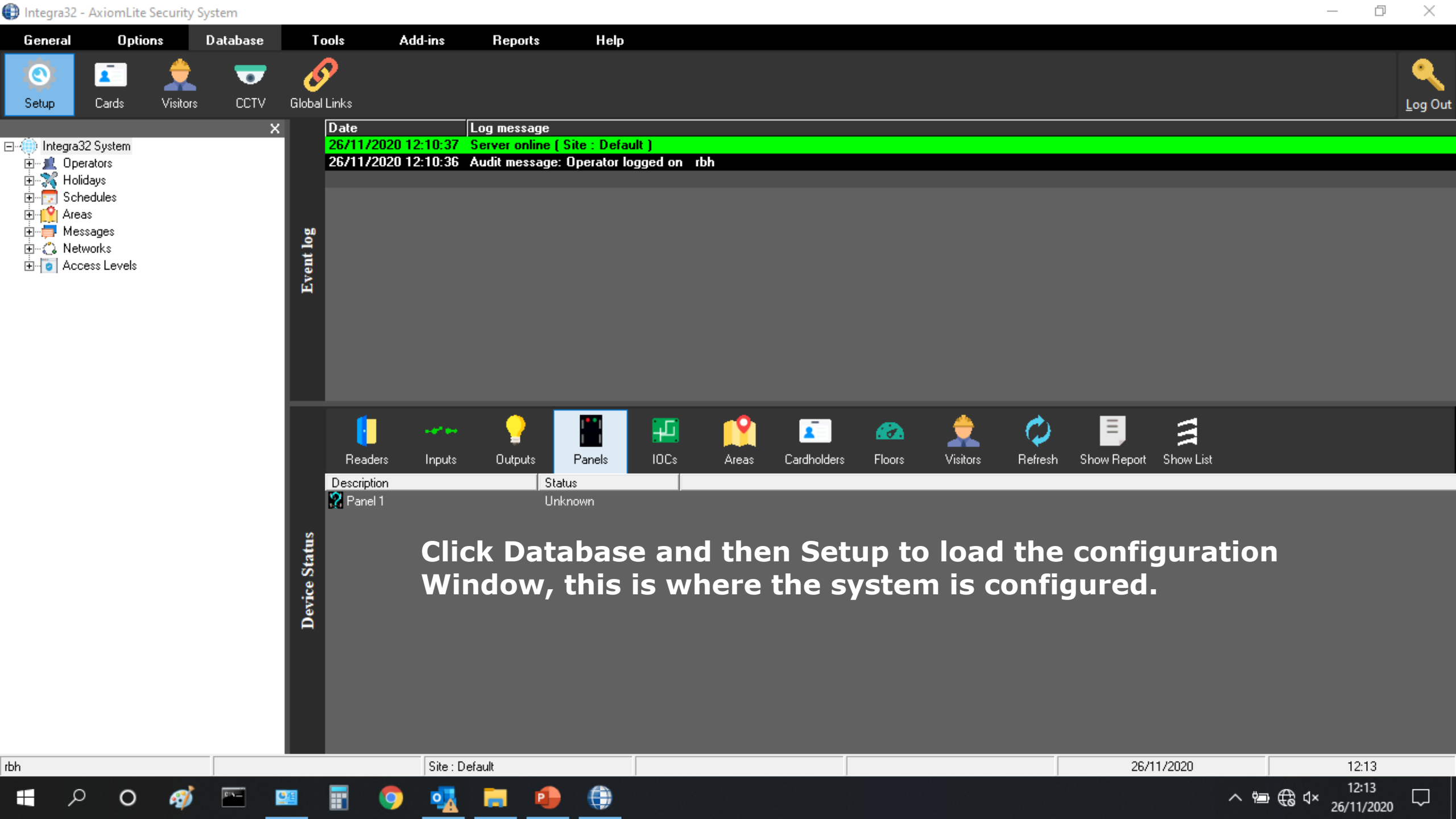
Click Database and then Setup to load the configuration Window, this is where the system is configured.

Expand Networks, right click on Network 1 and select Properties

Under the comms tab the default IP of the UNC100 is already Configured along with the default port.
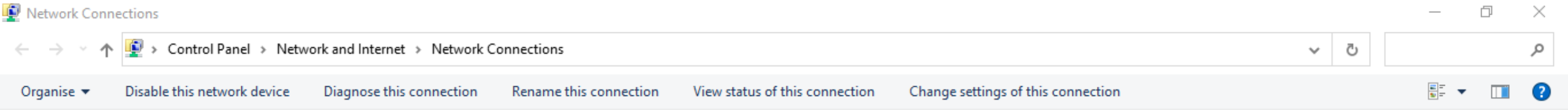
Set the default IP of your server PC
To 192.168.168.20 with subnet
255.255.255.0

Default gateway is not required when
Commissioning on your engineering
Laptop but may be needed on the
Customers network. (in this case the
Customer should provide IP, Subnet
And Gateway for the PC and the UNC100

DISABLE ALL OTHER CONNECTIONS
AS THESE CAN INTERFERE WITH
COMMUNICATIONS.

Click OK to confirm changes and return
To your Axiom Lite software.

Once the PC and the UNC100 are in the same range, the panel
Should come online. If the panel doesn't come online within
60 seconds simply restart the PC.

```
Command Prompt                                                          —  □  ✕

Microsoft Windows [Version 10.0.19041.630]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Steve>PING 192.168.168.125

Pinging 192.168.168.125 with 32 bytes of data:
Reply from 192.168.168.125: bytes=32 time<1ms TTL=64
Reply from 192.168.168.125: bytes=32 time=1ms TTL=64
Reply from 192.168.168.125: bytes=32 time=1ms TTL=64
Reply from 192.168.168.125: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.168.125:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\Steve>_
```

If the panel still isn't online, open a command prompt Window and type in ping 192.168.168.125 you should See a number of Reply messages showing the UNC100 is Connected in the same IP range as the PC.

If you don't receive a reply, it is likely that your UNC100 Isn't in the same range as the PC.

General Options Database Tools Add-ins Reports Help

Backup Void Cards Finger Print Query FPR Badge Designer Custom Fields Card Import Device Discovery Log Out

Device Discovery

Date	Log message
26/11/2020 12:34:50	Audit message: Log window cleared
26/11/2020 12:35:15	Audit message: Record changed (Network) Network 1
26/11/2020 12:35:15	System: Panel online Panel 1

Event log

Integra32 System
  Operators
  Holidays
  Schedules
  Areas
  Messages
  Networks
    Network 1
      Panels
  Access Levels

Click Tools and then Device Discovery

Readers Inputs Outputs Panels IOCs Areas Cardholders Floors Visitors Refresh Show Report Show List

Description	Status
Panel 1	Online

Device Status

RBH   Site : Default   26/11/2020   12:42

Integra32 - AxiomLite Security System

General   Options   Database   **Tools**   Add-ins   Reports   Help

Backup   Log Out

RBH IP Locator (ver 2.0.6445.26137)

File

Controllers | Accessories

Index	Device Name	Location	Model Name	IP Address	Subnet Mask	Gateway	MAC Address	Edit Mode	Status

**If you click search and nothing comes up, check
Your firewall is switched off. Also confirm that
All network connections are disabled except the
Connection between your UNC100 and the PC.
This shows in the bottom left of the IP Locator.**

**Also, double check the paper is removed from
Battery on the back of the unit.**

Visitors   Refresh   Show Report   Show List

Networks:
Realtek PCIe FE Family Controller
192.168.168.20

build date: 2017 08 24: 15 31 16
firmware: RBH 3A

search
( ) All Networks
( ) Device IP

[✓] Controllers   Search
[✓] Accessories

RBH   Site : Default   26/11/2020   12:59

12:59
26/11/2020

General   Options   Database   Tools   Add-ins   Reports   Help

Backup   Void Cards   Finger Print   Query EPB   Badge Designer   Custom Fields   Card Import   Device Discovery   Log Out

Integra32 System
- Operators
- Holidays
- Schedules
- Areas
- Messages
- Networks
  - Network 1
    - Panels
- Access Levels

RBH IP Locator (ver 2.0.6445.26137)

File

Controllers | Accessories

Index	Device Name	Location	Model Name	IP Address	Subnet Mask	Gateway	MAC Address	Edit Mode	Sta
1	UNC100 V...		S/N 15375	192.168.168.125	255.255.255.0	192.168.168.1	6C 04 60 0...	edit	

Once the UNC100 is showing.
Make sure the IP, subnet and gateway
(if required) of the UNC100 are in the
same range as the PC.

Show List

Networks:
Realtek PCIe FE Family Controller
192.168.168.20

build date: 2017 08 24: 15 31 16
firmware: RBH 3A

search
- ⦿ All Networks
- ○ Device IP

☑ Controllers   Search
☑ Accessories

RBH   Site : Default   26/11/2020   12:42

Click edit to load the configuration Window. From here you can add a Location description and change The IP information.

Under RS485 Applications make sure CH1 is set to INTG this allows you to Add additional panels on the RS485 Line and CH2 is set to WIEG for our Standard readers.
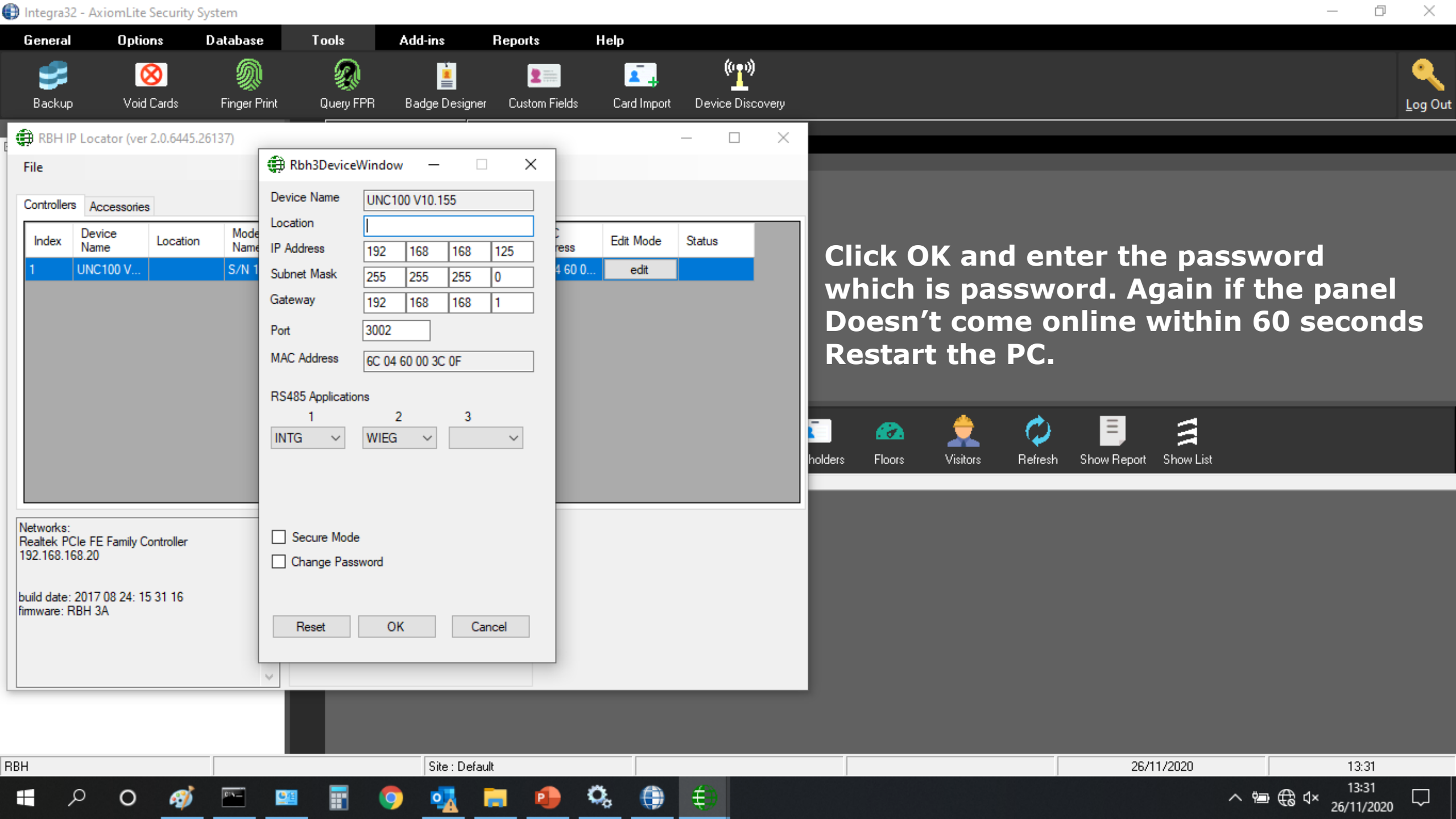
Click OK and enter the password which is password. Again if the panel Doesn't come online within 60 seconds Restart the PC.

General   Options   Database   **Tools**   Add-ins   Reports   Help

Backup   Void Cards   Finger Print   Query FPR   Badge Designer   Custom Fields   Card Import   Device Discovery   Log Out

Date	Log message
26/11/2020 13:31:15	Audit message: Log window cleared
26/11/2020 13:38:24	System: Panel offline Panel 1
26/11/2020 13:38:36	System: Panel online Panel 1
26/11/2020 13:38:24	System: Panel initialized normal Panel 1
26/11/2020 13:38:24	System: Cabinet tamper normal Panel 1

Event log

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
  - Access Levels

Your UNC100 should now be showing as Online ☺

Readers   Inputs   Outputs   **Panels**   IOCs   Areas   Cardholders   Floors   Visitors   Refresh   Show Report   Show List
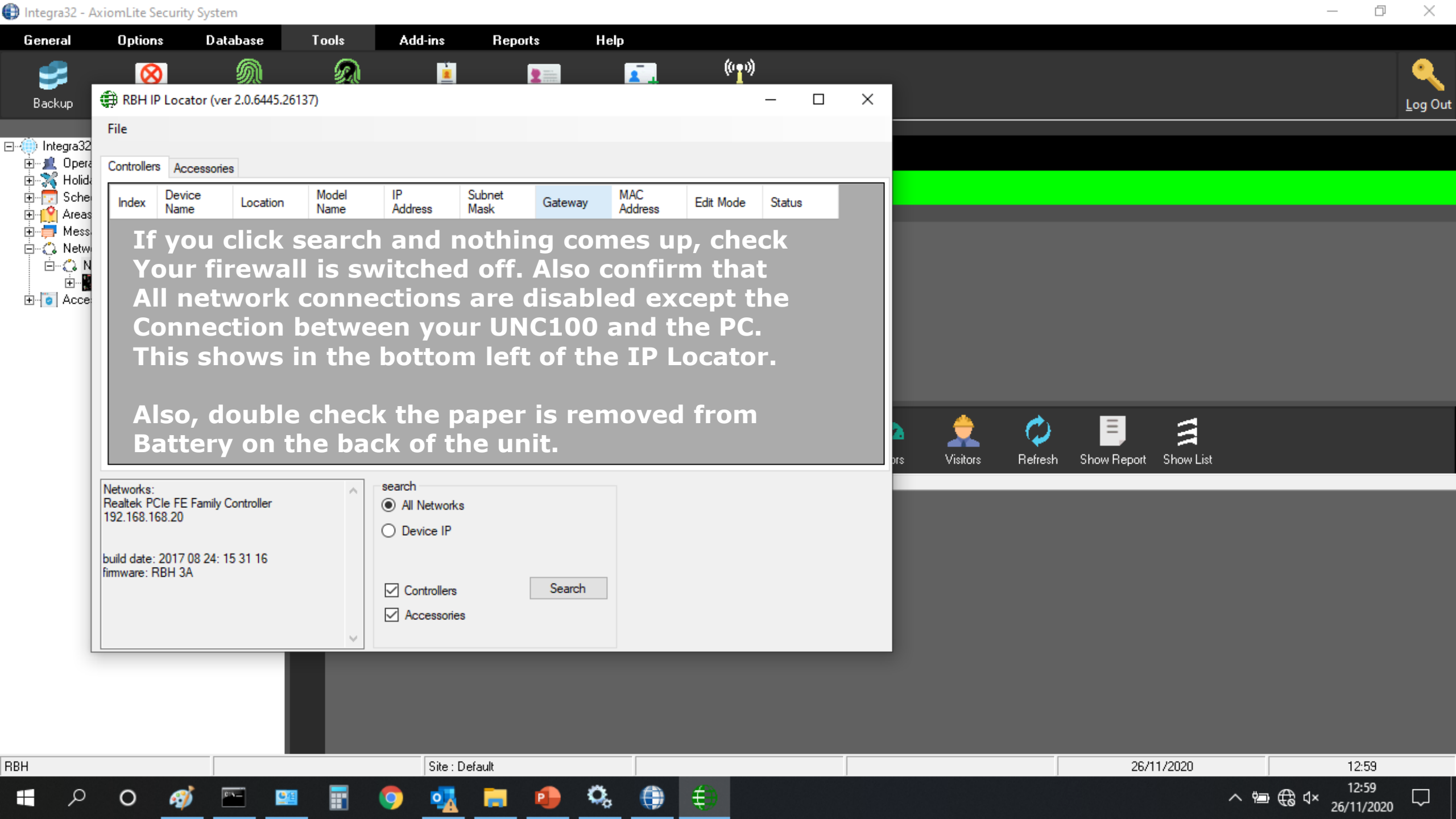
Description	Status
Panel 1	Online

Device Status

RBH   Site : Default   26/11/2020   13:38

13:38
26/11/2020

General   Options   Database   Tools   Add-ins   Reports   **Help**

Contents   About   Activate   Register

Log Out
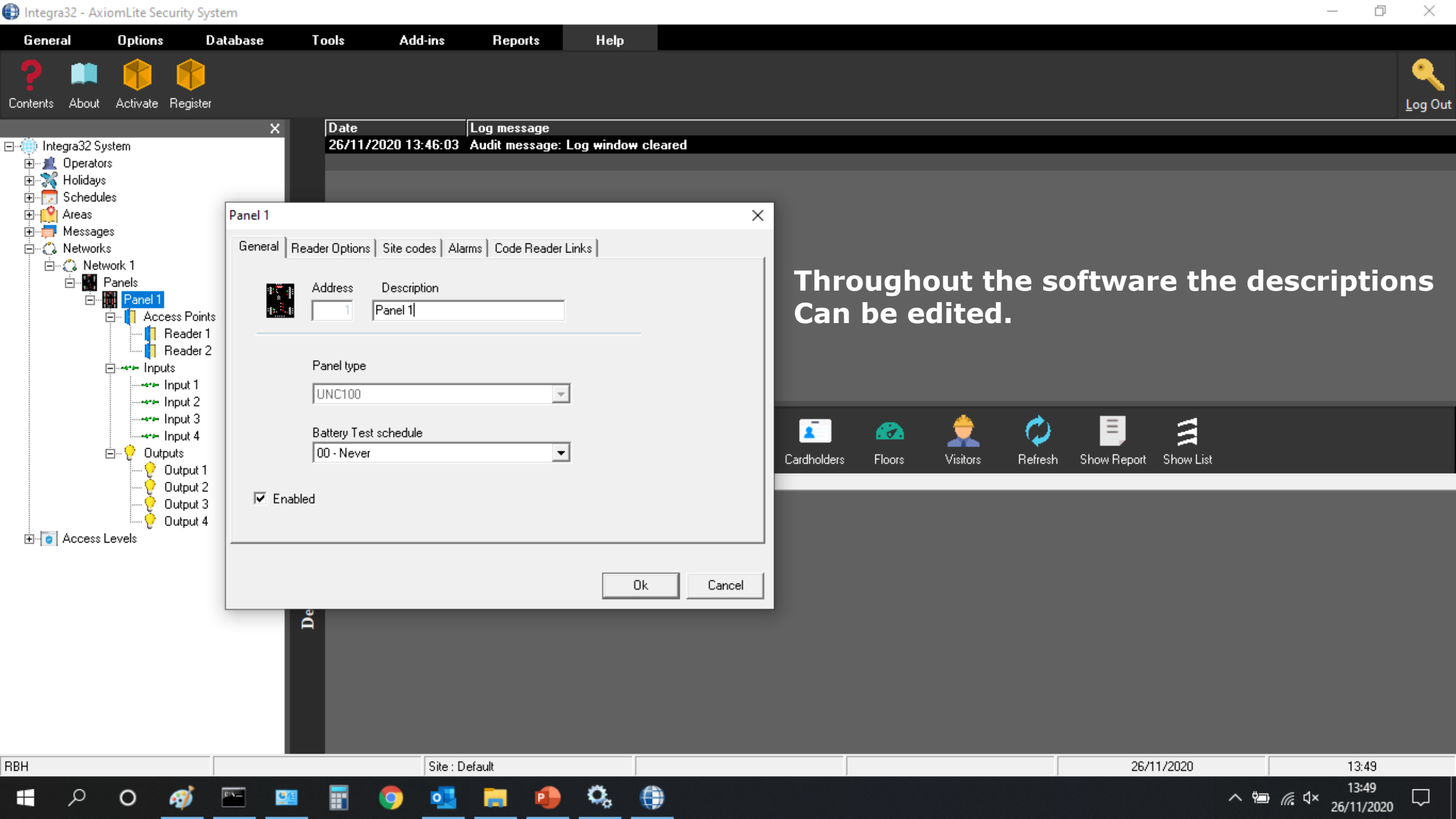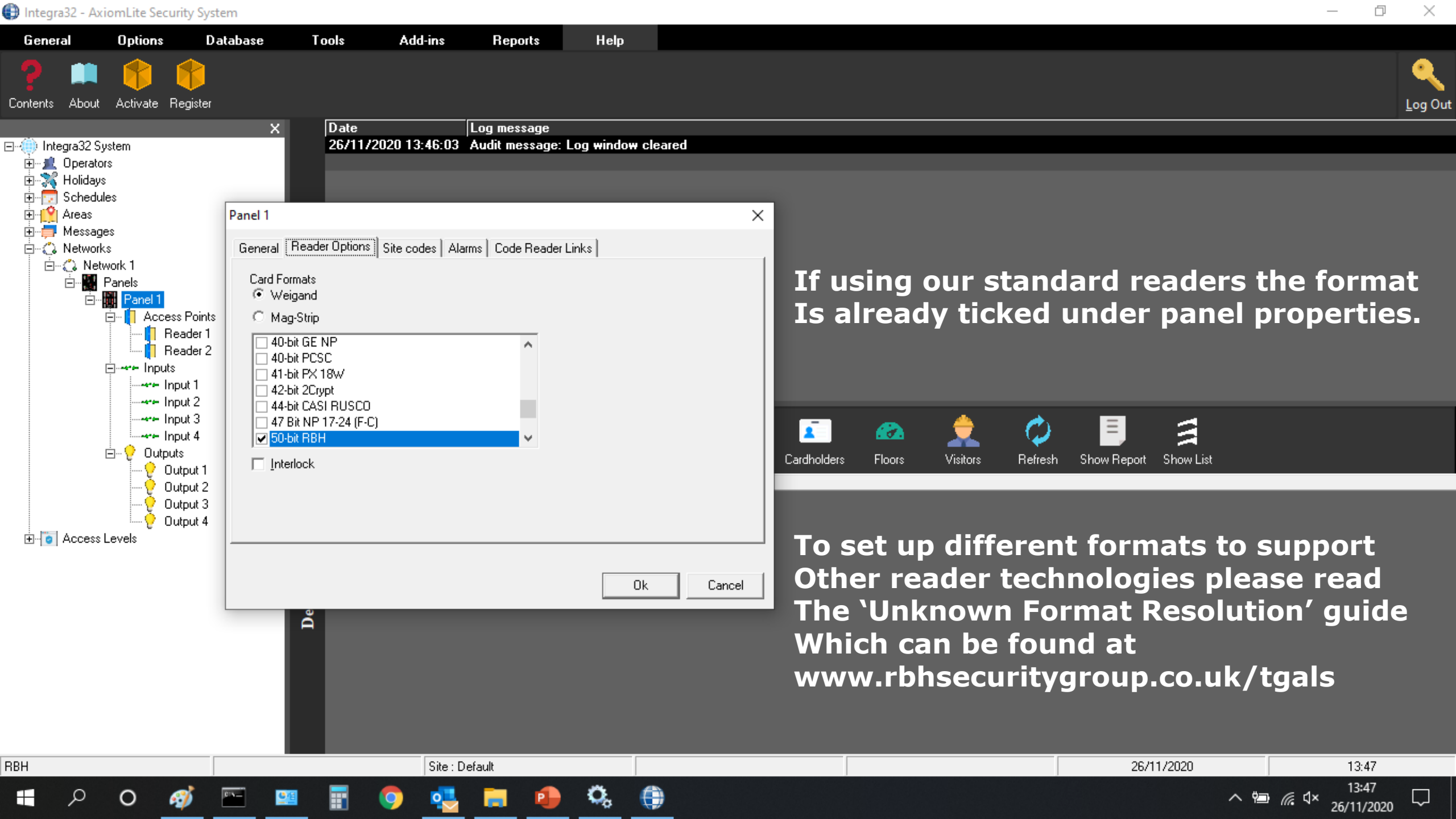
Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

Integra32 System
  Operators
  Holidays
  Schedules
  Areas
  Messages
  Networks
    Network 1
      Panels
        Panel 1
          Access Points
            Reader 1
            Reader 2
          Inputs
            Input 1
            Input 2
            Input 3
            Input 4
          Outputs
            Output 1
            Output 2
            Output 3
            Output 4
  Access Levels

Panel 1

General | Reader Options | Site codes | Alarms | Code Reader Links

Address   Description
    1   Panel 1

Panel type
UNC100

Battery Test schedule
00 - Never

☑ Enabled

Ok   Cancel

Throughout the software the descriptions Can be edited.

Cardholders   Floors   Visitors   Refresh   Show Report   Show List

RBH   Site : Default   26/11/2020   13:49

13:49
26/11/2020

If using our standard readers the format
Is already ticked under panel properties.

To set up different formats to support
Other reader technologies please read
The 'Unknown Format Resolution' guide
Which can be found at
www.rbhsecuritygroup.co.uk/tgals

General   Options   Database   Tools   Add-ins   Reports   Help

Contents   About   Activate   Register

Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels

Reader A

GRN
BUZ
D0
D1
S
0V
+12V

Reader 1 in the software is Reader A on the UNC100. Using our standard AWID SR2400 readers the wiring should be connected as above. Cable type Should be Belden 9538 or equivalent. Maximum Distance between reader and panel should not exceed 150m (Check documentation of each reader for supported maximum cable distances). Don't connect shield or the blue wire as this can act as a drain and may cause unusual behaviour.

Event log

Device Status

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

RBH   Site : Default   26/11/2020   13:57

13:57
26/11/2020

General   Options   Database   Tools   Add-ins   Reports   **Help**

Contents   About   Activate   Register   Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

Event log

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels

Reader B

GRN
BUZ
D0
D1
S
0V
+12V

Reader 2 in the software is Reader B on the UNC100. Using our standard AWID SR2400 readers the wiring should be connected as above. Cable type Should be Belden 9538 or equivalent. Maximum Distance between reader and panel should not exceed 150m (Check documentation of each reader for supported maximum cable distances). Don't connect shield or the blue wire as this can act as a drain and may cause unusual behaviour.

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

Device Status

RBH   Site : Default   26/11/2020   14:36

14:36
26/11/2020

General   Options   Database   Tools   Add-ins   Reports   Help

Contents   About   Activate   Register   Log Out

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

Event log
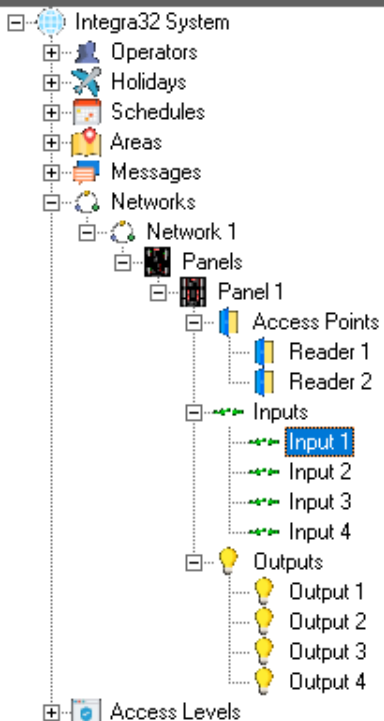
The Inputs on The UNC100 are defaulted
to the following.

- Input 1 RTE Reader A/1 Normally Open
- Input 2 DC (Door Contact) Reader A/1 Normally Closed
- Input 3 RTE Reader B/2 Normally Open
- Input 4 DC (Door Contact) Reader B/2 Normally Closed

These should be the default settings for the Inputs, they
Can also be configured by right clicking and going in to
The properties.

All inputs can also be changed to general purpose and used
For other functions.

The default Inputs on a URC2002 are the same as UNC100.

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

Device Status

RBH   Site : Default   26/11/2020   14:53

The Inputs on an IRC2000 are defaulted
to the following.

- Input 1 RTE Reader A/1 Normally Open
- Input 2 DC (Door Contact) Reader A/1 Normally Closed
- Input 3 General Purpose
- Input 4 General Purpose
- Input 5 RTE Reader B/2 Normally Open
- Input 6 DC (Door Contact) Reader B/2 Normally Closed
- Input 7 General Purpose
- Input 8 General Purpose

These should be the default settings for the Inputs, they
Can also be configured by right clicking and going in to
The properties.

All inputs can also be changed to general purpose and used
For other functions.

General   Options   Database   Tools   Add-ins   Reports   **Help**

Contents   About   Activate   Register   Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - **Output 1**
            - Output 2
            - Output 3
            - Output 4
  - Access Levels

The Outputs on The UNC100 are defaulted
to the following.

- Output 1 Lock Reader A/1
- Output 2 Alarm Shunt Reader A/1
- Output 3 Lock Reader B/2
- Output 4 Alarm Shunt Reader B/2

These should be the default settings for the Outputs, they
Can also be configured by right clicking and going in to
The properties.

All Outputs can also be changed to general purpose and used
For other functions.

The default Outputs on a URC2002 are the same as UNC100.

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

Event log

Device Status

RBH   Site : Default   26/11/2020   15:08

15:08
26/11/2020

The Outputs on an IRC2000 are defaulted to the following.

- Output 1 Lock Reader A/1
- Output 2 Alarm Shunt Reader A/1
- Output 3 General Purpose
- Output 4 General Purpose
- Output 5 Lock Reader B/2
- Output 6 Alarm Shunt Reader B/2
- Output 7 General Purpose
- Output 8 General Purpose

These should be the default settings for the Outputs, they Can also be configured by right clicking and going in to The properties.

All Outputs can also be changed to general purpose and used For other functions.

Date | Log message
26/11/2020 13:46:03 | Audit message: Log window cleared

Integra32 System
- Operators
- Holidays
- Schedules
- Areas
- Messages
- Networks
  - Network 1
    - Panels
      - Panel 1
        - Access Points
          - Reader 1
          - Reader 2
        - Inputs
          - Input 1
          - Input 2
          - Input 3
          - Input 4
        - Outputs
          - Output 1
          - Output 2
          - Output 3
          - Output 4
- Access Levels
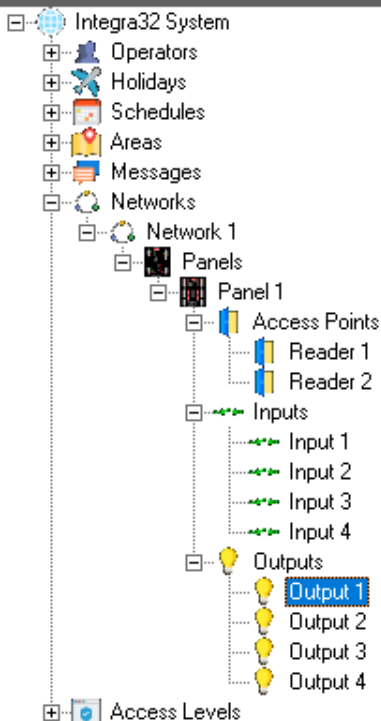
Magnetic lock connection and diode location.
Output 1 on A side and Output 3 on B side.
(Same outputs on a URC2002, Use outputs 1
And 5 for the IRC2000)
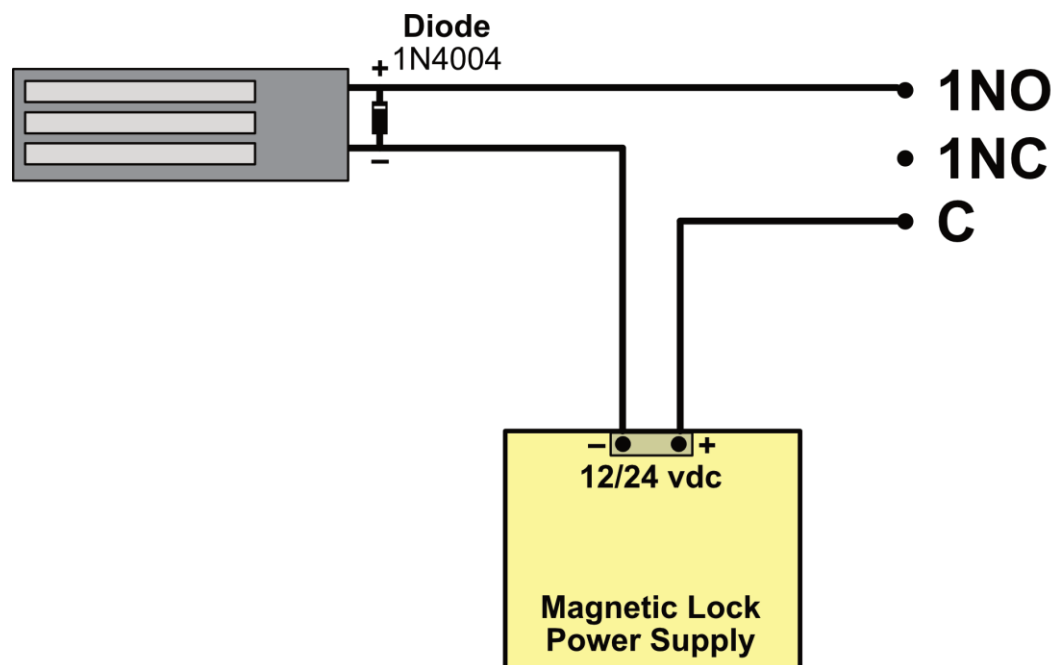
Diode
+ 1N4004
−

1NO
1NC
C

12/24 vdc

Magnetic Lock
Power Supply

Readers | Inputs | Outputs | Panels | IOCs

Description | Status
Panel 1 | Online

Event log

Device Status

RBH | Site : Default | 26/11/2020 | 15:08
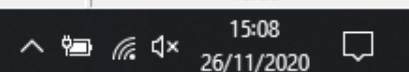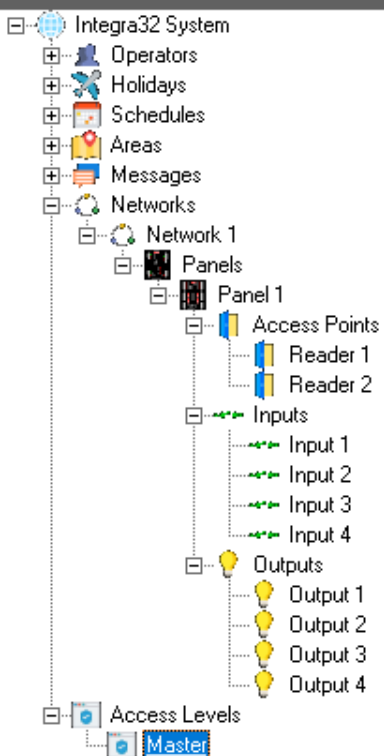
The software has a Master access level by default.
This is updated automatically when you add new
Doors to the system. Very useful when setting up
The system with your engineer card set on Master.

General   Options   Database   Tools   Add-ins   Reports   **Help**

Contents   About   Activate   Register   Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared

- Integra32 System
  - Operators
  - Holidays
  - Schedules
    - Never
    - Always
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
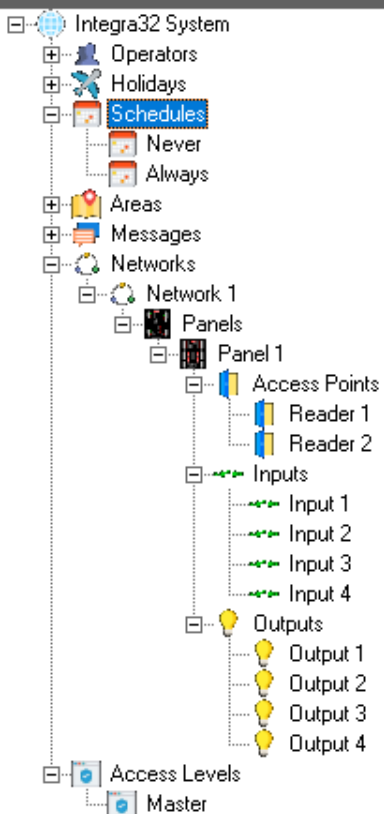
Setting up additional access levels is very simple.
First add a new schedule by right clicking Schedules
And then adding a new one. We will go with Office
Hours 9 to 5.

Event log

Device Status

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

RBH   Site : Default   26/11/2020   15:23

General   Options   Database   Tools   Add-ins   Reports   Help

Contents   About   Activate   Register   Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared
26/11/2020 15:25:45	Audit message: Record added (Schedules)

- Integra32 System
  - Operators
  - Holidays
  - Schedules
    - Never
    - Always
    - Schedule 2
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master

Right click on your new Schedule and select properties.

Event log

Device Status

Readers   Inputs   Outputs   Panels   IOCs

Description	Status
Panel 1	Online

RBH   Site : Default   26/11/2020   15:25

15:25
26/11/2020

General   Options   Database   Tools   Add-ins   Reports   **Help**

Contents   About   Activate   Register

Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared
26/11/2020 15:25:45	Audit message: Record added (Schedules

- Integra32 System
  - Operators
  - Holidays
  - Schedules
    - Never
    - Always
    - Schedule 2
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
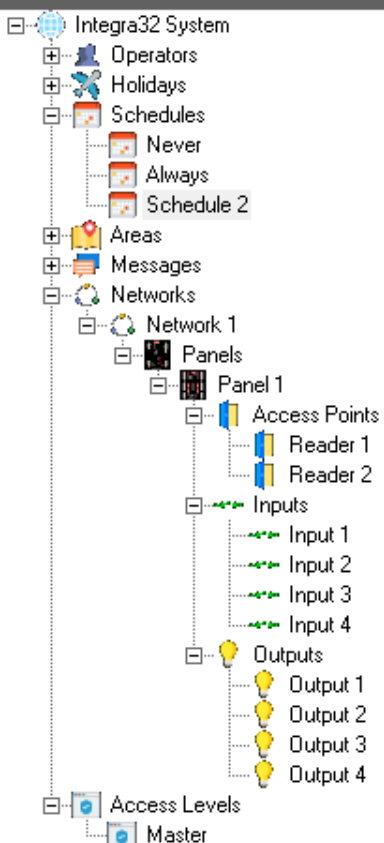
Change the description to Office Hours and
Then select Time Zones.

Schedule Properties

General | Time Zones

Description

Office Hours

Ok   Cancel

RBH   Site : Default   26/11/2020   15:27

15:27
26/11/2020

Enter 0900 as the start time and 1700 as the end time. Then tick Monday – Friday and click OK

General   Options   Database   Tools   Add-ins   Reports   Help

Contents   About   Activate   Register   Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared
26/11/2020 15:25:45	Audit message: Record added (Schedules)

- Integra32 System
  - Operators
  - Holidays
  - Schedules
    - Never
    - Always
    - Schedule 2
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master

Click Yes to download the new schedule to the Panels.

Schedule Properties

General   Time Zones

	Start	End	Sun	Mon	Tue	Wed	Thu	Fri	Sat	H 1
Period 1:	0900	1700		✓	✓	✓	✓	✓		

Confirm Change

Schedule file must be downloaded to all panels and all panels must be initialized. Download now?

Yes   No

| Period 7: | 0000 | 0000 |
| Period 8: | 0000 | 0000 |

Ok   Cancel

RBH   Site : Default   26/11/2020   15:45

15:45
26/11/2020

General | Options | Database | Tools | Add-ins | Reports | Help

Contents | About | Activate | Register

Log Out

Date	Log message
26/11/2020 13:46:03	Audit message: Log window cleared
26/11/2020 15:25:45	Audit message: Record added (Schedules)
26/11/2020 15:46:28	System: Full download started Panel 1
26/11/2020 15:46:30	System: Downloaded file Schedules Panel
26/11/2020 15:46:30	System: Full download ended Panel 1
26/11/2020 15:46:30	System: Date/time changed (26/11/2020
26/11/2020 15:46:30	System: Panel initialized normal Panel 1

Event log

- Integra32 System
  - Operators
  - Holidays
  - Schedules
    - Never
    - Always
    - Office Hours
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
   - Master

Right click Access Levels and add a new one

Readers | Inputs | Outputs | Panels | IOCs

Description	Status
Panel 1	Online

Device Status

RBH | Site : Default | 26/11/2020 | 15:46

General | **Options** | **Database** | **Tools** | **Add-ins** | **Reports** | **Help**

Setup | Cards | Visitors | CCTV | Global Links | Log Out

Date	Log message
26/11/2020 15:48:53	Server online (Site : Default
26/11/2020 15:48:53	Audit message: Operator logg

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
    - New Access Level

Right click on the new access level and select Properties. Enter a description, Office Hours or Office Staff.

Access Level Properties

General | Access Level | Elevators Access Level

Description

Office Hours

Ok | Cancel

rbh | Site : Default | 26/11/2020 | 15:49

General   Options   **Database**   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links   Log Out

Date	Log message
26/11/2020 15:48:53	Server online (Site : Default
26/11/2020 15:48:53	Audit message: Operator logg

Integra32 System
- Operators
- Holidays
- Schedules
- Areas
- Messages
- Networks
  - Network 1
    - Panels
      - Panel 1
        - Access Points
          - Reader 1
          - Reader 2
        - Inputs
          - Input 1
          - Input 2
          - Input 3
          - Input 4
        - Outputs
          - Output 1
          - Output 2
          - Output 3
          - Output 4
- Access Levels
  - Master
  - New Access Level

In the Access Level tab select your new Office Hours schedule for each required Reader and then click Ok.

Access Level Properties

General | Access Level | Elevators Access Level |

Reader	Schedule
Reader 1	00 - Never
Reader 2	00 - Never
	01 - Always
	02 - Office Hours

Ok   Cancel
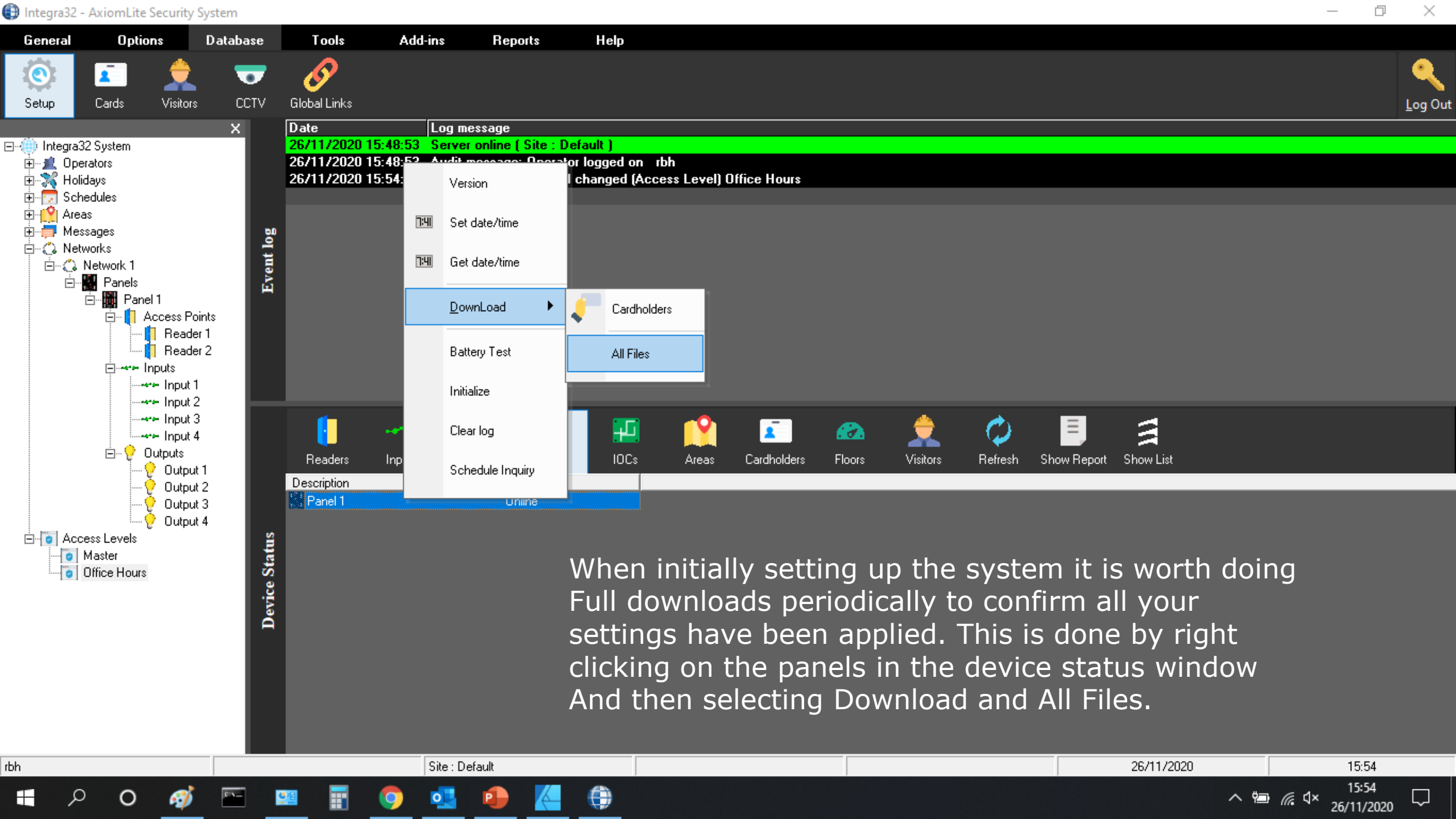
When initially setting up the system it is worth doing Full downloads periodically to confirm all your settings have been applied. This is done by right clicking on the panels in the device status window And then selecting Download and All Files.
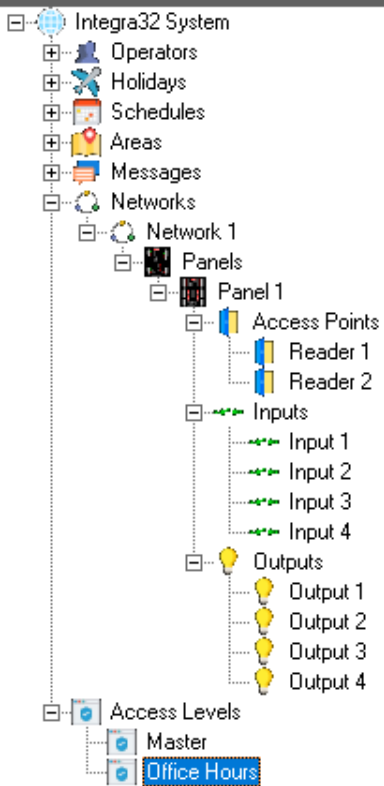
Once this is done you are ready to add your first card. Click cards to the right of Setup.

General Options Database Tools Add-ins Reports Help

Setup | Cards | Visitors | CCTV | Global Links

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
    - Office Hours
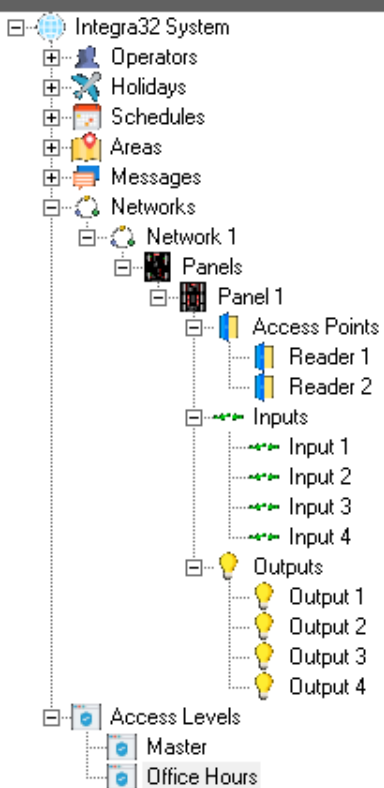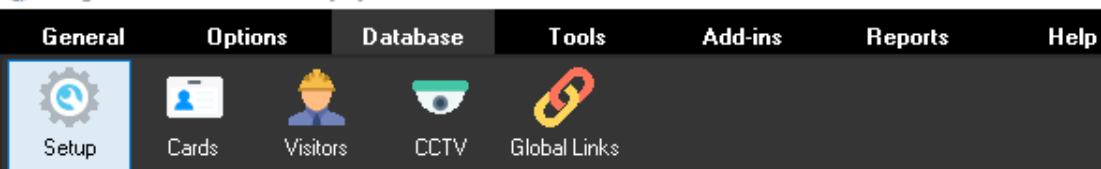
Click New if the cardholder screen isn't
Already in edit mode.

Add your first name and last name.

To add the card number, click Add at
The bottom of the screen.

Integra32 - AxiomLite Cardholders

File

Save | Edit | Cancel | Delete | Search | Multi Cards | F Print | Receipt

Last name: Card
First name: Engineer
Initials:
Cardnumber:

Cards | Profile | Photo | Notes | More Fields

Access level
0 ... No Access

Activation date
01/01/2038

Deactivation date   Usage Count
01/01/2038

Status   PIN Code

Type

☐ Ignore Antipassback   ☐ Ignore Auto Void
☐ Unlock Privilege (2)
☐ High Security Privilege (4)
☐ Link Execute Privilege (3/5)
☐ Extended unlock time
☐ Disabled

Add | Edit | Remove | Copy

0 of 0

rbh   Site : Default   26/11/2020   16:05
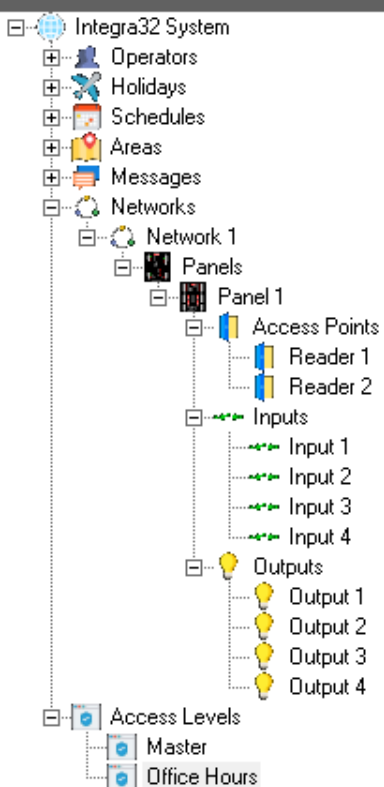
Enter the card number in the Value Field.

The card number should be printed on the card, if you are using an enrolment Reader make sure the cursor is in the Value field and present the card to the Enrolment reader.

Click Ok.

To add an access level to a card, click
The box between 0 and No Access.

General   Options   **Database**   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
    - Office Hours

Select the desired access level and Click Ok.

Integra32 - AxiomLite Cardholders

File

Save   Edit   Cancel   Delete   Search   Multi Cards   F Print   Receipt

Last name   First name   Initials   Cardnumber
Card   Engineer

Cards | Profile |

1234

Select the item

Access Level

ID	Description
1	Master
2	Office Hours

None   Ok   Cancel

Link Execute Privilege (375)
☐ Extended unlock time
☐ Disabled

Add   Edit   Remove   Copy

0 of 0

General   **Options**   **Database**   **Tools**   **Add-ins**   **Reports**   **Help**

Setup   Cards   Visitors   CCTV   Global Links

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
    - Office Hours
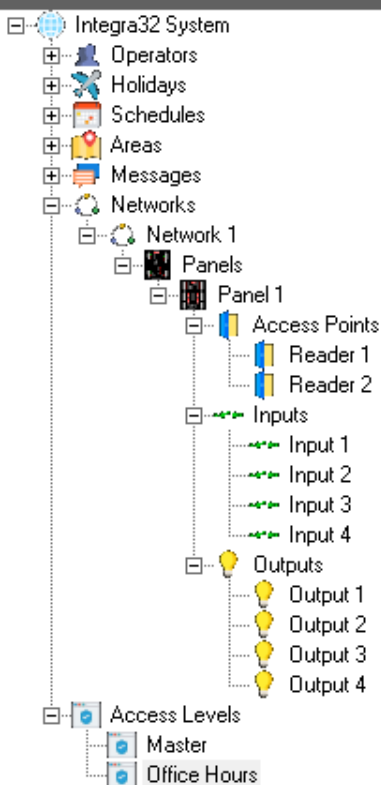
You should now see the access level
Against the card.

Click save and close the window.

Integra32 - AxiomLite Cardholders

File

Save   Edit   Cancel   Delete   Search   Multi Cards   F Print   Receipt

Last name: Card

First name: Engineer

Initials:

Cardnumber:

Cards | Profile | Photo | Notes | More Fields

1234

1234

Access level
1 ... Master

Activation date
26/11/2020

Deactivation date
01/01/2038

Usage Count
255

Status
Active

PIN Code

Type
Normal

☐ Ignore Antipassback   ☐ Ignore Auto Void
☐ Unlock Privilege (2)
☐ High Security Privilege (4)
☐ Link Execute Privilege (3/5)
☐ Extended unlock time
☐ Disabled

Add   Edit   Remove   Copy

0 of 0

General   Options   Database   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links   Log Out
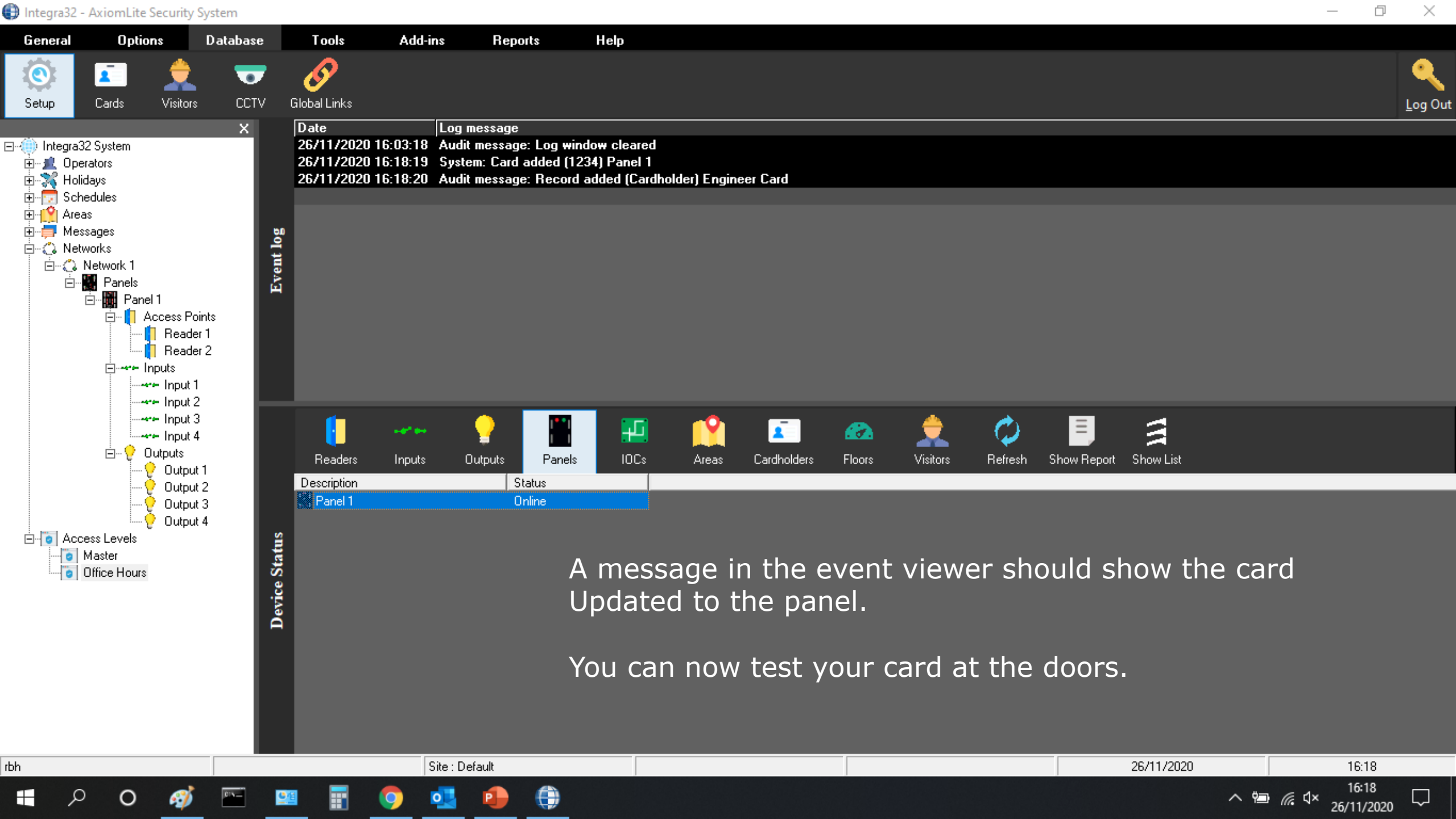
Event log

Date	Log message
26/11/2020 16:03:18	Audit message: Log window cleared
26/11/2020 16:18:19	System: Card added (1234) Panel 1
26/11/2020 16:18:20	Audit message: Record added (Cardholder) Engineer Card

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
          - Access Points
            - Reader 1
            - Reader 2
          - Inputs
            - Input 1
            - Input 2
            - Input 3
            - Input 4
          - Outputs
            - Output 1
            - Output 2
            - Output 3
            - Output 4
  - Access Levels
    - Master
    - Office Hours

Readers   Inputs   Outputs   Panels   IOCs   Areas   Cardholders   Floors   Visitors   Refresh   Show Report   Show List

Device Status

Description	Status
Panel 1	Online

A message in the event viewer should show the card Updated to the panel.

You can now test your card at the doors.

rbh   Site : Default   26/11/2020   16:18

Axiom Lite™

Adding additional controllers to the system

Each network supports up to 16 controllers. This can be a mix of any of our Axiom Lite controllers, Starting the network with a UNC100 on IP and then RS485 to up to 15 additional controllers. The Axiom Lite supports 32 panels (64 Doors) on the standard License and 64 panels (128 Doors) on the suite License.

- UNC100
- IRC2000
- URC2002
- URC2004 (Added as 2 URC2002)

Simply right click on Panels and select the controller you want to add.

For Additional information on controllers go to www.rbhsecuritygroup.co.uk/axiom-lite-hardware

Setup   Cards   Visitors   CCTV   Global Links   Log Out

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1
  - Access Levels

Date	Log message
26/11/2020 16:03:18	Audit message: Log window
26/11/2020 16:18:19	System: Card added (1234)
26/11/2020 16:18:20	Audit message: Record add

The first controller (UNC100) is addressed 1 using the dip switches. Additional controllers up to 16 are addressed sequentially in a daisy chain, star configuration is not supported. Right click on panels And add the panel type that matches your hardware.

Controller Addressing

Switch 1	Switch 2	Switch 3	Switch 4	Switch 5	Address
On	Off	Off	Off	Off	1
Off	On	Off	Off	Off	2
On	On	Off	Off	Off	3
Off	Off	On	Off	Off	4
On	Off	On	Off	Off	5
Off	On	On	Off	Off	6
On	On	On	Off	Off	7
Off	Off	Off	On	Off	8
On	Off	Off	On	Off	9
Off	On	Off	On	Off	10
On	On	Off	On	Off	11
Off	Off	On	On	Off	12
On	Off	On	On	Off	13
Off	On	On	On	Off	14
On	On	On	On	Off	15
Off	Off	Off	Off	On	16

Readers   Inputs   Outputs

Description	Status
Panel 1	Online

Event log

Device Status

rbh   Site : Default   26/11/2020   16:40

For UNC100 to UNC100 connection, Panel 1 A+ goes to Panel 2 A+ and Panel 1 B- goes to Panel 2 B-. Cable specification is Belden 8723 and ground/shield is taped back not connected to the controller.
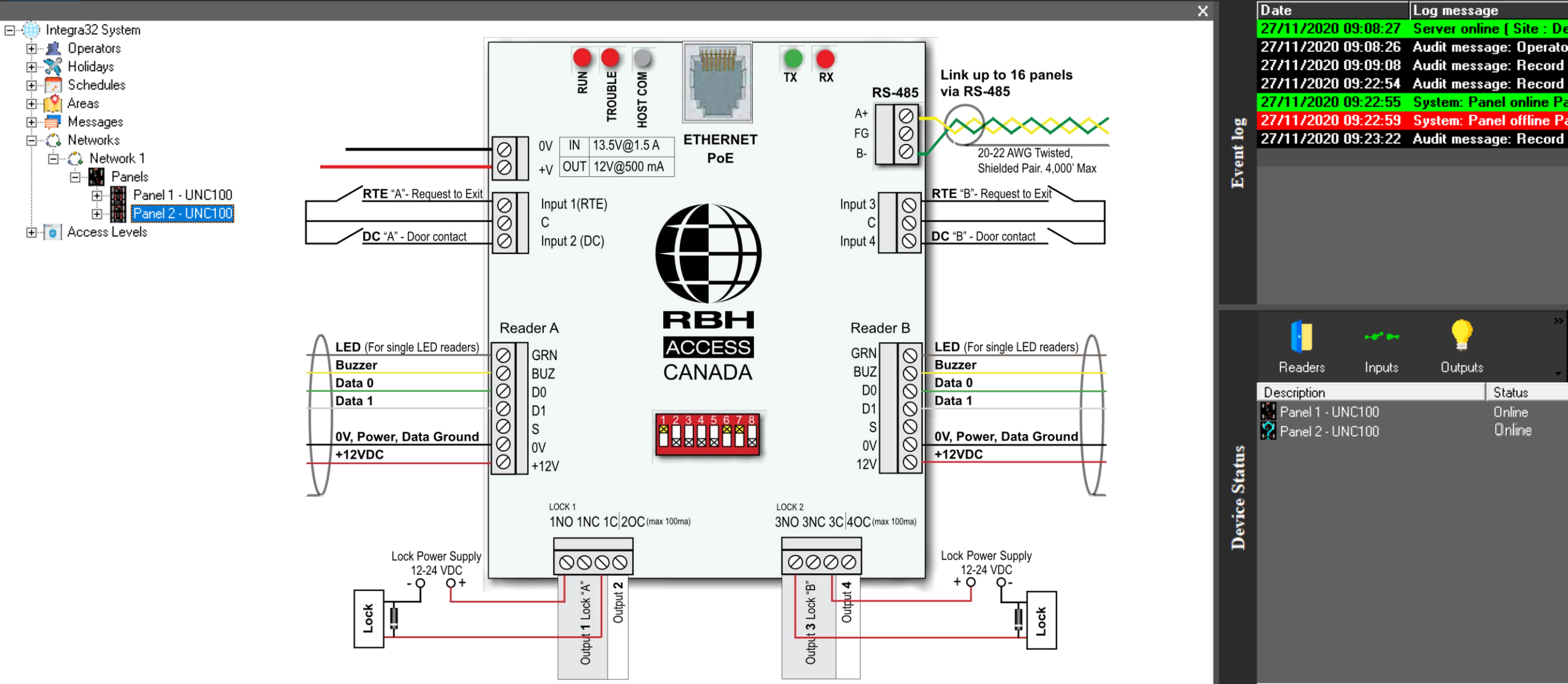
General   Options   Database   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links   Log Out

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1 - UNC100
        - Panel 2 - UNC100
  - Access Levels

Date	Log message
27/11/2020 09:08:27	Server online (Site : De
27/11/2020 09:08:26	Audit message: Operato
27/11/2020 09:09:08	Audit message: Record
27/11/2020 09:22:54	Audit message: Record
27/11/2020 09:22:55	System: Panel online Pa
27/11/2020 09:22:59	System: Panel offline Pa
27/11/2020 09:23:22	Audit message: Record

Event log

RUN   TROUBLE   HOST COM   ETHERNET PoE   TX   RX

RS-485
A+
FG
B-

Link up to 16 panels via RS-485

20-22 AWG Twisted, Shielded Pair. 4,000' Max

0V   IN   13.5V@1.5 A
+V   OUT   12V@500 mA

RTE "A"- Request to Exit   Input 1(RTE)
C
DC "A" - Door contact   Input 2 (DC)

Input 3   RTE "B"- Request to Exit
C
Input 4   DC "B" - Door contact

Reader A
LED (For single LED readers)
Buzzer
Data 0
Data 1
0V, Power, Data Ground
+12VDC

GRN
BUZ
D0
D1
S
0V
+12V

RBH ACCESS CANADA

Reader B
GRN
BUZ
D0
D1
S
0V
12V

LED (For single LED readers)
Buzzer
Data 0
Data 1
0V, Power, Data Ground
+12VDC

LOCK 1
1NO 1NC 1C 2OC (max 100ma)

LOCK 2
3NO 3NC 3C 4OC (max 100ma)

Lock Power Supply
12-24 VDC

Lock Power Supply
12-24 VDC

Lock

Output 1 Lock "A"
Output 2

Output 3 Lock "B"
Output 4

Lock

Readers   Inputs   Outputs

Device Status

Description	Status
Panel 1 - UNC100	Online
Panel 2 - UNC100	Online

rbh   Site : Default   27/11/2020   09:23

General   Options   **Database**   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links   Log Out

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1 - UNC100
        - Panel 2 - IRC2000
  - Access Levels

For UNC100 to IRC2000 connection, Panel 1 A+ goes to Panel 2 A+ and Panel 1 B- goes to Panel 2 B-. Cable specification is Belden 8723 and ground/shield is taped back not connected to the controller.

Panel 1

Panel 2

RS485
A+
FG
B-
(RTE)

A+ B- FGND

Event log

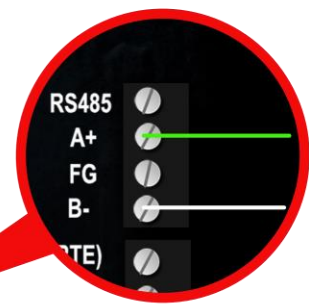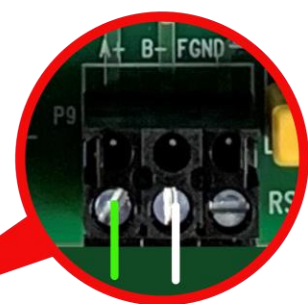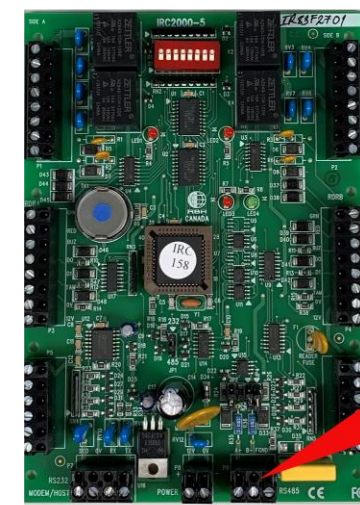| Date	Log message
27/11/2020 09:08:27	Server online (Site : De
27/11/2020 09:08:26	Audit message: Operato
27/11/2020 09:09:08	Audit message: Record
27/11/2020 09:22:54	Audit message: Record
27/11/2020 09:22:55	System: Panel online Pa
27/11/2020 09:22:59	System: Panel offline Pa
27/11/2020 09:23:22	Audit message: Record
27/11/2020 10:12:26	Audit message: Record
27/11/2020 10:12:26	System: Panel online Pa
27/11/2020 10:12:36	Audit message: Record
27/11/2020 10:12:37	System: Panel online Pa
27/11/2020 10:12:41	System: Panel offline Pa
27/11/2020 10:12:50	Audit message: Record

Readers   Inputs   Outputs

Device Status

Description	Status
Panel 1 - UNC100	Online
Panel 2 - IRC2000	Online

rbh   Site : Default   27/11/2020   10:14

For UNC100 to URC2002 connection, Panel 1 A+ goes to Panel 2 A+ and Panel 1 B- goes to Panel 2 B-. Cable specification is Belden 8723 and ground/shield is taped back not connected to the controller.
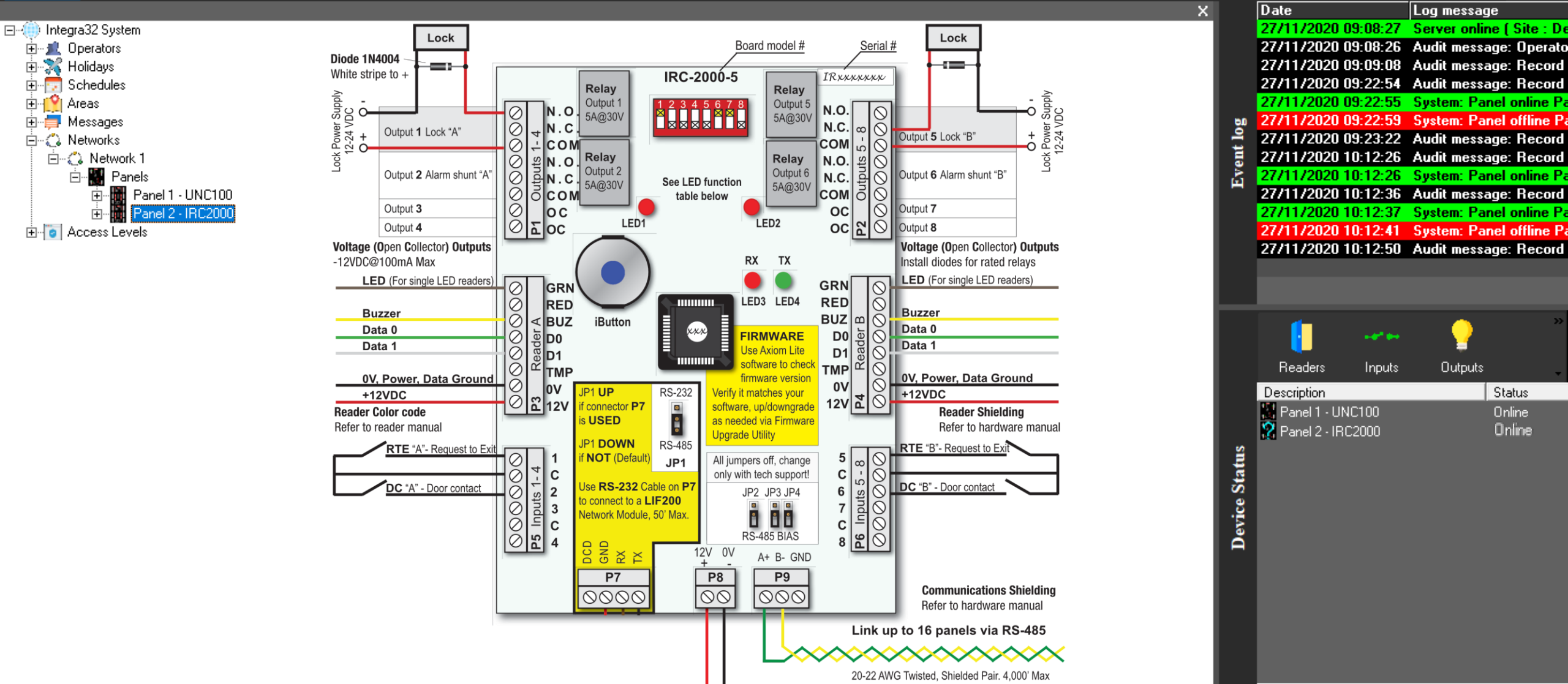
General   Options   Database   Tools   Add-ins   Reports   Help

Setup   Cards   Visitors   CCTV   Global Links   Log Out

Integra32 System
- Operators
- Holidays
- Schedules
- Areas
- Messages
- Networks
  - Network 1
    - Panels
      - Panel 1 - UNC100
      - Panel 2 - URC2002
- Access Levels

Event log

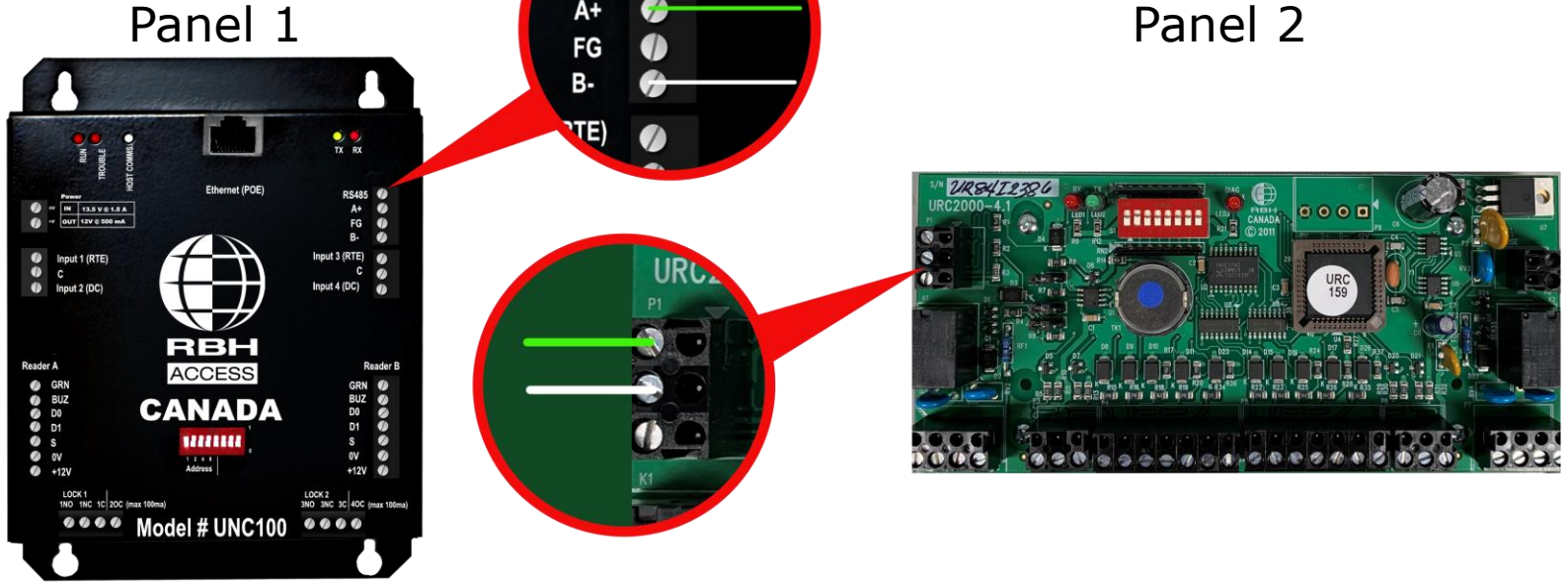| Date	Log message
27/11/2020 09:08:27	Server online (Site : De
27/11/2020 09:08:26	Audit message: Operato
27/11/2020 09:09:08	Audit message: Record
27/11/2020 09:22:54	Audit message: Record
27/11/2020 09:22:55	System: Panel online Pa
27/11/2020 09:22:59	System: Panel offline Pa
27/11/2020 09:23:22	Audit message: Record
27/11/2020 10:12:26	Audit message: Record
27/11/2020 10:12:26	System: Panel online Pa
27/11/2020 10:12:36	Audit message: Record
27/11/2020 10:12:37	System: Panel online Pa
27/11/2020 10:12:41	System: Panel offline Pa
27/11/2020 10:12:50	Audit message: Record
27/11/2020 10:15:06	Audit message: Record

Readers   Inputs   Outputs

Device Status

Description	Status
Panel 1 - UNC100	Online
Panel 2 - URC2002	Online

20-22 AWG Twisted, Shielded Pair. 4,000' Max.

URxxxxxxxx
URC-2000-4.1

RX TX
LED1 LED2

1 2 3 4 5 6 7 8

DIAG
LED3

P9 Exp. Bus
0V D+ D- +12V

Add up to 4 ELV8 output boards in Elevator Control Configuration (RBH-URC-2008)

P1 RS485 A+ B- GND

12v 0v

URC-2004 contains 2 URC-2000-4 boards

URC controlers in RBH-URC-2004 get addressed individually, connect via RS-485 on P1 for both panels.

Serial #   Model #

URxxxxxxxx
URC-2000-4.1

RX TX
LED1 LED2

1 2 3 4 5 6 7 8

See LED function table below

DIAG
LED3

P9 Exp. Bus
0V D+ D- +12V

FIRMWARE
Use Axiom Lite software to check firmware version Verify it matches your software, up/downgrade as needed via Frmware Upgrade Utility

P1 RS485 A+ B- GND

RS-485 BIAS
JP1- RS-485 Termination
JP2
JP3
All jumpers off, change only with tech support!

iButton

12v 0v

Relay
Output 1
5A@30V

Relay
Output 3
5A@30V

Link up to 16 panels via RS-485

N.O. N.C. COM 0V
P2 Outputs

LED BUZ D0 D1 A 0V 12V 1 C 2
P3 Inputs

P4 Reader A

LED BUZ D0 D1 A 0V 12V 3 C 4
P5 Reader B

P6 Inputs

N.O. N.C. COM 0V
P7 Outputs

Output 1 Lock Door "B"
Output 2 (100mA max.)

RTE "A" Request to Exit
DC "A" Door contact

Green LED
Buzzer
Data 0
Data 1

RTE "B" Request to Exit
DC "B" Door contact

Output 3 Lock Door "B"
Output 4 (100mA max.)

Communications Shielding
Refer to hardware manual

Lock Power
12-24 VDC

0V, Power, Data Ground
+12VDC

Reader Color code
Refer to reader manual

Diode 1N4004
White stripe to +

Lock

Lock

To PSU

rbh   Site : Default   27/11/2020   10:15

10:15
27/11/2020

General **Options** **Database** **Tools** **Add-ins** **Reports** **Help**

Setup Cards Visitors CCTV Global Links Log Out

Date	Log message
27/11/2020 11:44:44	Audit message: Log win

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Panel 1 - UNC100
        - Panel 2 - IRC2002
        - Panel 3 - URC2002
        - Panel 4 - UNC100
        - Panel 5 - UNC100
        - Panel 6 - URC2002
        - Panel 7 - IRC2000
        - Panel 8 - UNC100
        - Panel 9 - IRC2000
        - Panel 10 - URC2002
        - Panel 11 - IRC2000
        - Panel 12 - IRC2000
        - Panel 13 - URC2002
        - Panel 14 - UNC100
        - Panel 15 - UNC100
        - Panel 16 - IRC2000
  - Access Levels

The flexibility of the modular design in Axiom Lite means you can mix and match controllers on a single network depending on your requirements, or…………

Readers Inputs Outputs

Description	Status
Panel 1 - UNC100	Online
Panel 2 - IRC2002	Unknown
Panel 3 - URC2002	Unknown
Panel 4 - UNC100	Unknown
Panel 5 - UNC100	Unknown
Panel 6 - URC2002	Unknown
Panel 7 - IRC2000	Unknown
Panel 8 - UNC100	Unknown
Panel 9 - IRC2000	Unknown
Panel 10 - URC2002	Unknown
Panel 11 - IRC2000	Unknown
Panel 12 - IRC2000	Unknown
Panel 13 - URC2002	Unknown
Panel 14 - UNC100	Unknown

rbh   Site : Default   27/11/2020   11:55

General   **Options**   **Database**   **Tools**   **Add-ins**   **Reports**   **Help**

Setup   Cards   Visitors   CCTV   Global Links   Log Out

- Integra32 System
  - Operators
  - Holidays
  - Schedules
  - Areas
  - Messages
  - Networks
    - Network 1
      - Panels
        - Network 1 - UNC100
    - Network 2
      - Panels
        - Network 2 - UNC100
    - Network 3
      - Panels
        - Network 3 - UNC100
  - Access Levels

You can have individual IP networks using the UNC100. The standard software supports 32 IP networks (64 doors) and the suite software supports 64 IP networks (128 doors)

Date	Log message
27/11/2020 12:04:18	Audit message: Log win

Event log

Readers   Inputs   Outputs

Device Status

Description	Status
Network 1 - UNC100	Online
Network 2 - UNC100	Unknown
Network 3 - UNC100	Unknown

rbh   Site : Default   27/11/2020   12:04

Axiom Lite ™

For additional information please visit our website

www.rbhsecuritygroup.co.uk/technical