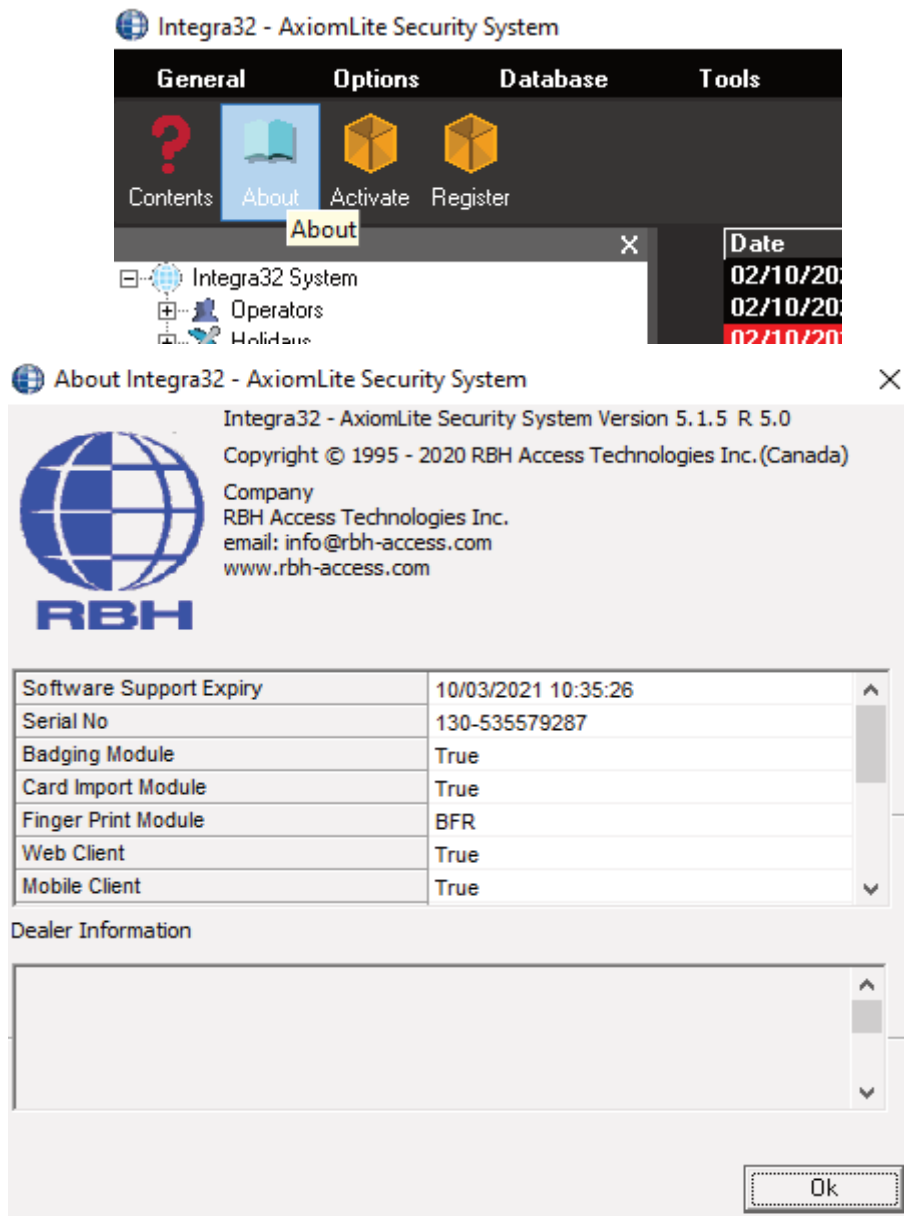


Technical Guide TGAL23

Adding a BFR 150 or BFR 350 to Axiom Lite

Please note - To make use of Biometric readers with Axiom Lite, your installation will require a license with the biometric option enabled. To check that you have this license option enabled, go to **Help** then **About**;



The screenshot shows the 'Integra32 - AxiomLite Security System' application. The main window has a menu bar with 'General', 'Options', 'Database', and 'Tools'. Below the menu bar are icons for 'Contents', 'About', 'Activate', and 'Register'. The 'About' icon is highlighted. A smaller 'About' dialog box is open, showing the following information:

Integra32 - AxiomLite Security System Version 5.1.5 R 5.0
Copyright © 1995 - 2020 RBH Access Technologies Inc. (Canada)
Company
RBH Access Technologies Inc.
email: info@rbh-access.com
www.rbh-access.com

Software Support Expiry	10/03/2021 10:35:26
Serial No	130-535579287
Badging Module	True
Card Import Module	True
Finger Print Module	BFR
Web Client	True
Mobile Client	True

Dealer Information

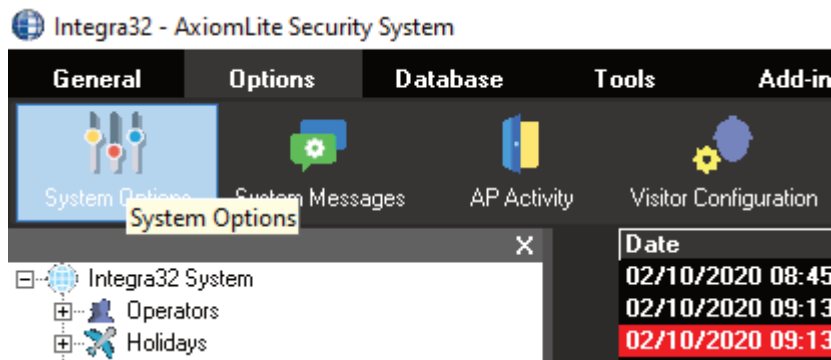
Ok

If you don't see Fingerprint Enrolment you will need to add the biometric option to your system. Please contact your installation company to arrange this. If you are unsure of your installation company, please contact support.uk@rbh-access.com

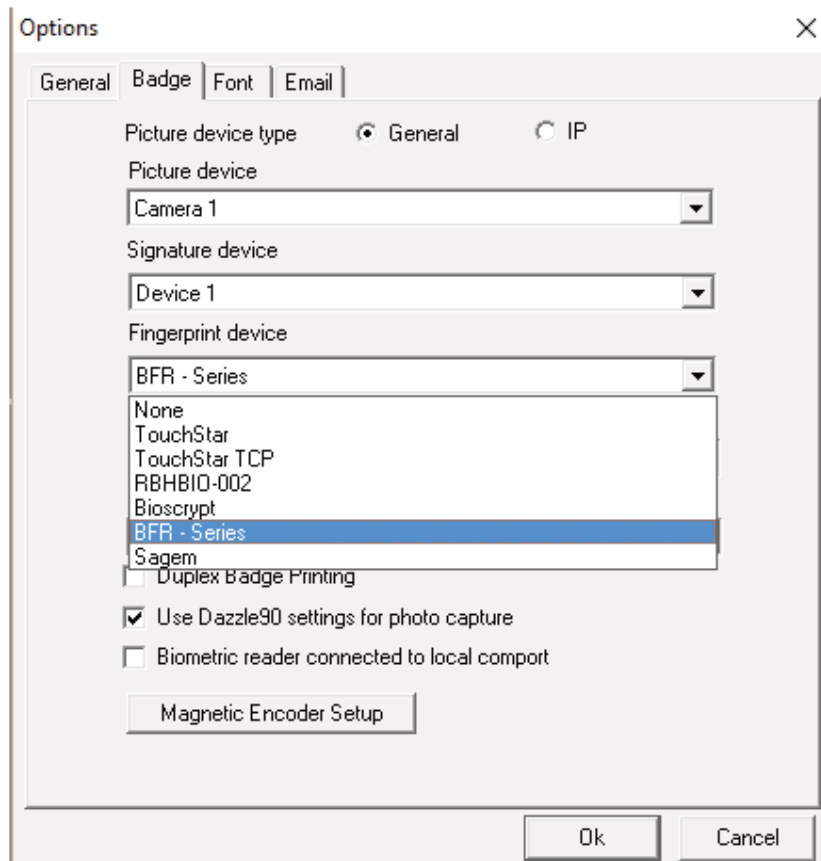
If you do see that Biometrics are enabled on your license, please continue onto page 2.

Pre-Preparations

- Your BFR reader should be powered up and connected via RJ45/Ethernet cable to the Axiom Lite PC, either directly or through a RJ45 hub/switch, or to a laptop that has the Device Discovery tool if you wish to pre-configure the BFR before adding it onto the customers network. Pre-configuring the BFR via laptop before adding it to the network is the recommended procedure as making changes to IP addresses, Subnet Masks and Default Gateways can be done without compromising any of the other programs that may be running on the Axiom Lite PC.
- The default IP address of a BFR reader is **192.168.0.66**, so make sure the Laptop or PC is already in this range, e.g. **192.168.0.20**
- First, select **Options** followed by **System Options**.

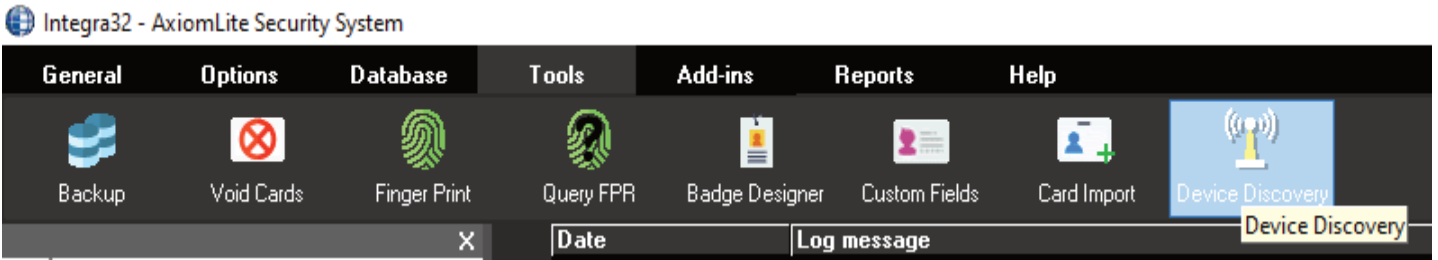


- Select the **Badge** tab, then select **BFR – Series** from the drop-down list beneath **Fingerprint device**, followed by **OK** to confirm.

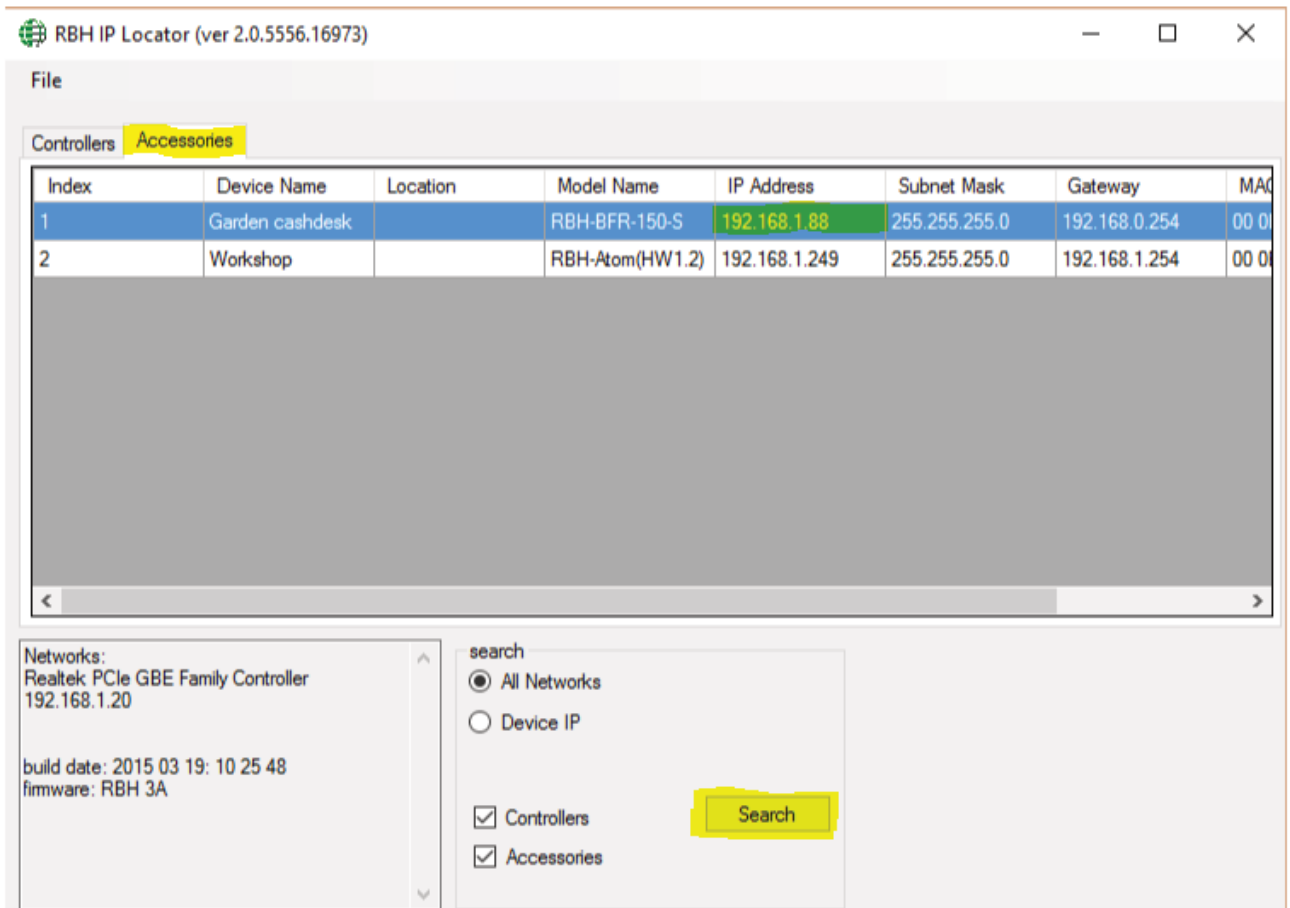


Configuring the BFR Reader

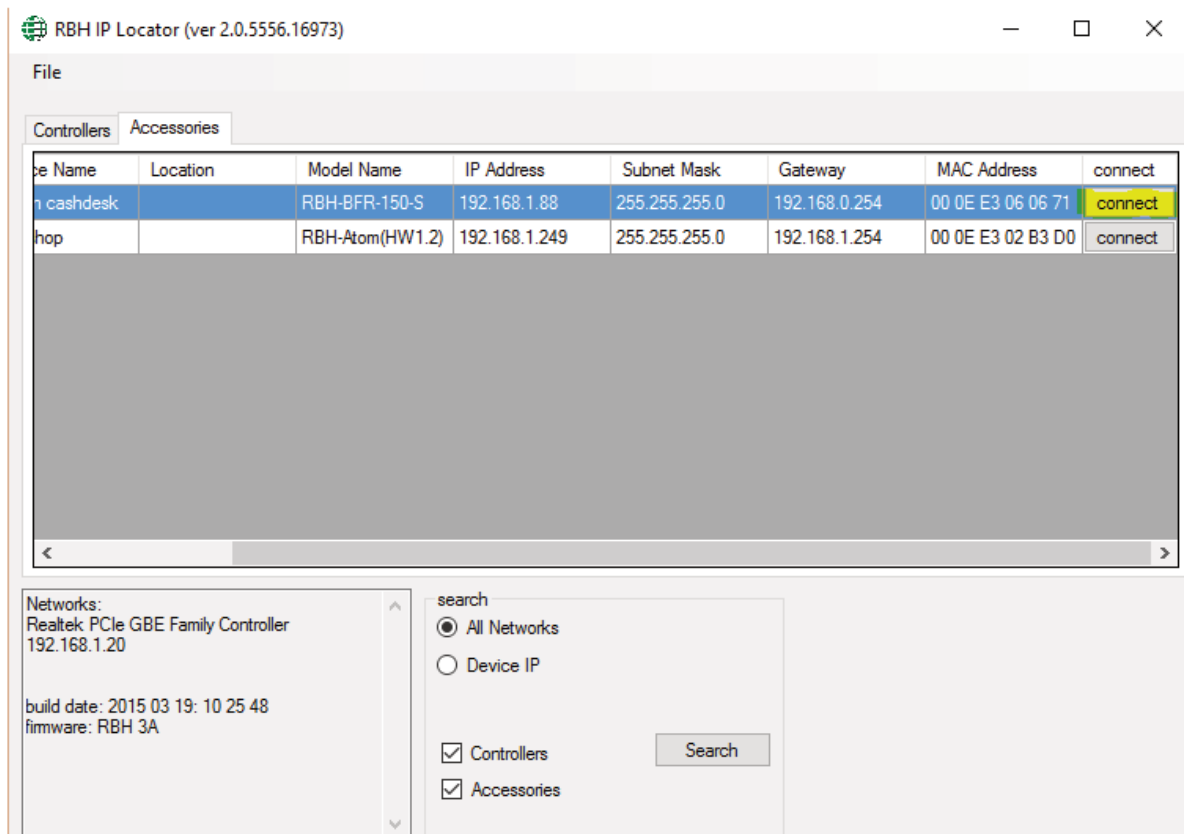
- To successfully add a BFR to the system, you will be making use of the **Device Discovery** and **Fingerprint** tools. They are both found in the **Tools** menu which is located at the top of the software screen.



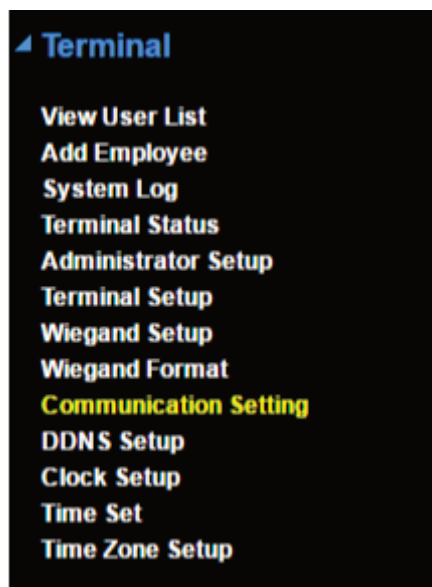
- Select **Device Discovery** and locate the BFR reader by selecting the **Accessories** tab, then **Search**. This will find any RBH IP based equipment in the system. In the example below, the BFR 150 reader has an IP address of 192.168.1.88. **Make a note of your BFR's IP address** as you will need it shortly.



- Expand/Fullscreen the Device Discovery tool or move the bottom scroll bar to the right to reveal the **Connect** button for the BFR reader. Select the **Connect** button.



- You will be asked for credentials in order to access the BFR web browser page. Enter **RBH** as the login ID and **password** as the password. You will then see the BFR web browser page. Select **Communication Settings** from the list on the left-hand side of the screen



If you are assigning a specific IP address to the BFR reader, enter the IP address, subnet mask, default gateway and DNS Server IP (if applicable) on this screen. The default Port Number for a BFR reader is **2000**, but **3002** can also be used. **Make a note of the Port Number as you will need this shortly.**

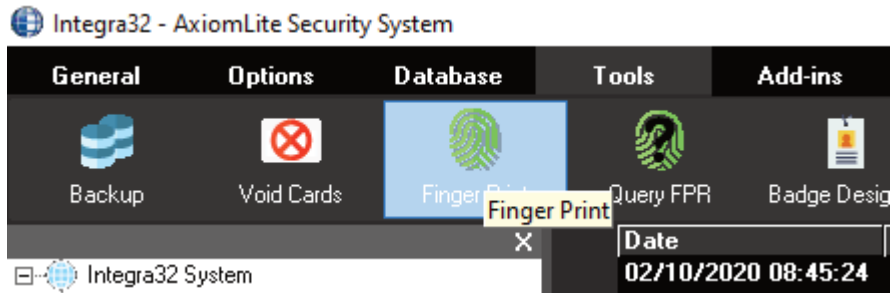
COMMUNICATION SETTING	
Net Mode	TYPE: STATIC IP ▾
IP Address	192 . 168 . 1 . 88
Subnet Mask	255 . 255 . 255 . 0
Default Gateway IP	192 . 168 . 0 . 254
DNS Server IP	192 . 168 . 4 . 160
Operation Mode (Software Used)	
Connection Mode	TCP SERVER ▾
Port Number	3002

- When you have made any necessary changes to the BFR’s Communication Settings, select **Save** at the bottom of the screen. You can now exit the BFR’s web browser page and return to the Axiom Lite software.

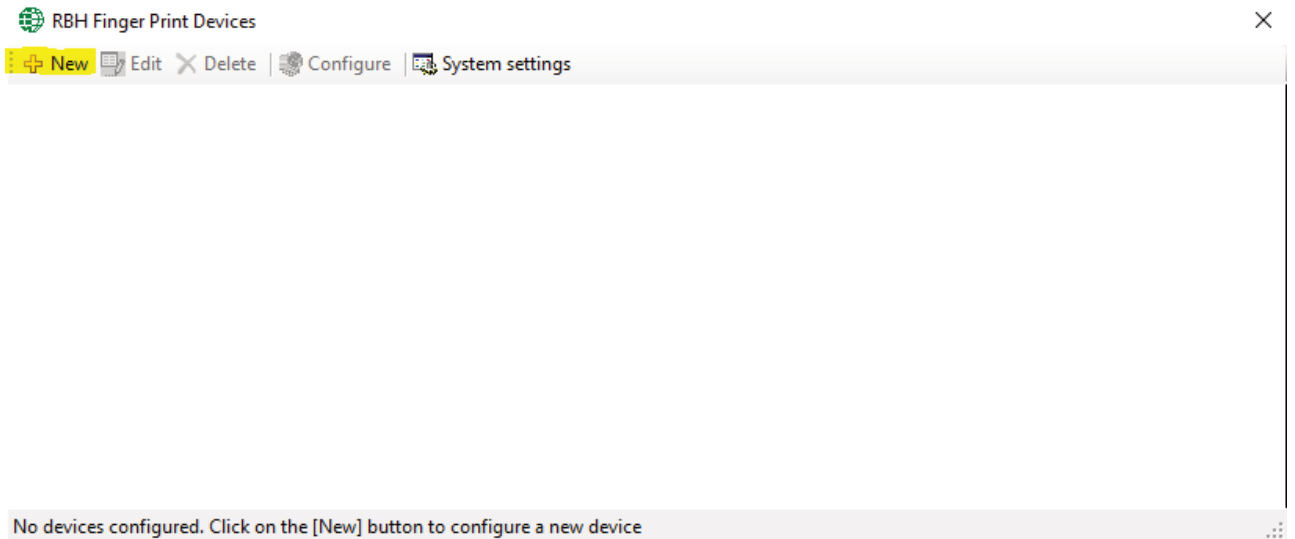
Operation Mode (Software Used)	
Connection Mode	TCP SERVER ▾
Port Number	3002
WEB Management Port	
Http Port Management	<input checked="" type="radio"/> UNBLOCK(80) <input type="radio"/> BLOCK <input type="text"/>
Access Key(Software Used)	
	<input checked="" type="radio"/> Disable <input type="radio"/> Enable 00 : 00 : 00 : 00 : 00 : 00
SAVE	

Adding the BFR to the software

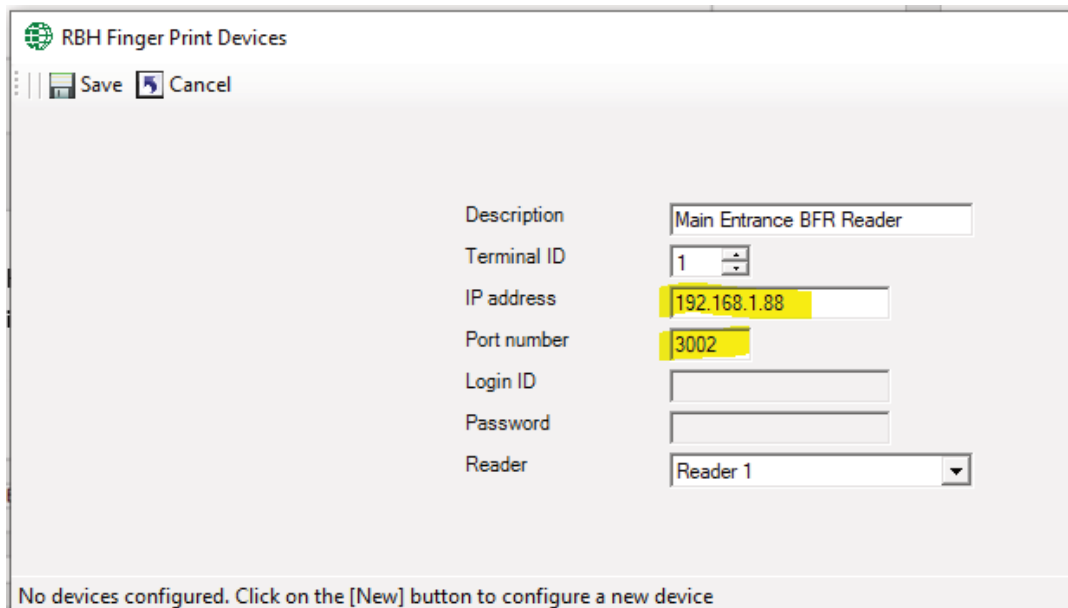
- Go to **Tools**, then select **Finger Print**.



- Select **New**



- Give the BFR reader a name that best describes its location, e.g. **Main Entrance BFR Reader**. The **Terminal ID** is always **1** as each BFR reader is individually IP addressed, and the BFR is the singular device with that IP address. Enter the BFR's **IP address** and **Port Number** that was found/set up on the Web Browser page.



- Finally, pair the BFR reader to a physical access control panel's reader port. For instance, if the Main Entrance reader was being controlled by Panel 2, Reader 1, we would assign the BFR to Panel 2, Reader 1. If your system's Readers are accurately named, this process will be very simple. In this example, we pair the **Main Entrance BFR** to the Reader Port named **Main Entrance**. In essence, select the reader port that the BFR is physically wired to.

- When done, select **Save** from the top-left corner.
- You will now see that your BFR reader has been added to the software.

Description	Make	Terminal ID	Reader
Main Entrance BFR Reader	BFR - Series	1	Main Entrance

Repeat the process to add more BFR readers to your installation.