CDVI

Security to Access

ievo isync 2.0

ievo Software Manual

EN

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2] INTRODUCTION

This manual will guide you through the installation and usage of the ievo isync Server and Client software. Please ensure you read and understand all the information in this manual before commencing with installation.

Minimum Hardware Specification

Please ensure any machine used meets the following specification:

Feature	Description
CPUw	Quad Core 2.0+ GHz or equivalent
Hard Drive	50GB (free space)
Memory	8GB
Network	NIC (Static)
Microsoft .Net	Version 4.7.2 or above
Operating System	Windows 8.1, 10 and Windows Server 2012 and above.
Microsoft SQL Version	2014 Express (Supports MSSQL 2014 or above)

Help and Support

If at any point during installation you need help, please contact your local technical support team. You can find your regional technical support contact information below or within the 'Help and Support' section of the ievo isync server and client software.

CDVI UK
Telephone: +44(0)191 296 3623
Email: support.ievo@cdvi.co.uk
Website: www.ievoreader.com

CDVI France
Telephone: +33 (0) 148 910 102
Email: info@cdvi.com
Website: www.cdvi.com

CDVI Americas
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Telephone: +32 (0) 56 73 93 00
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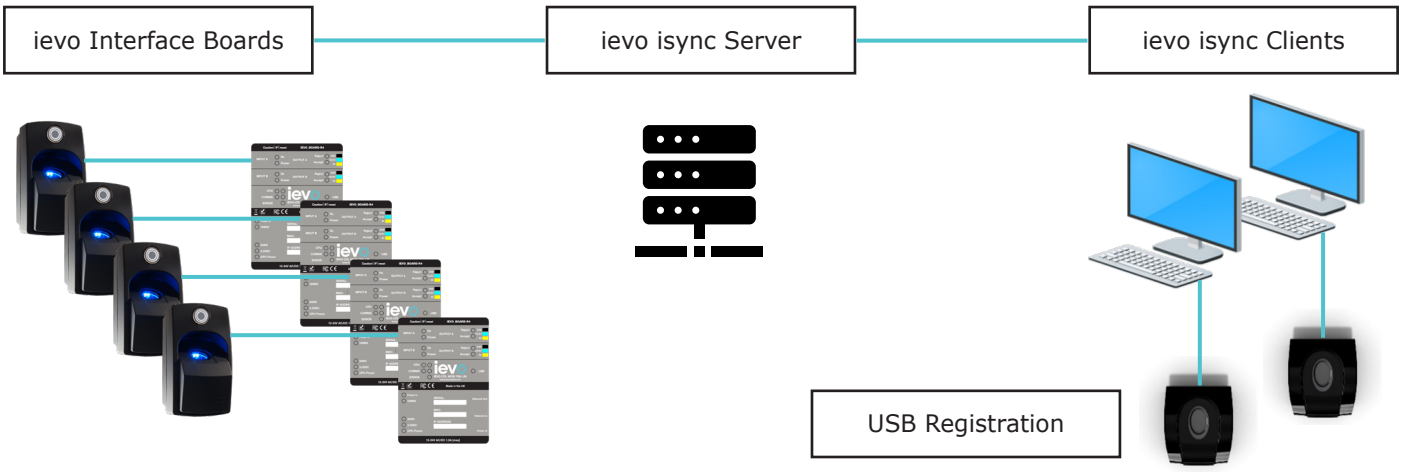
Website: www.cdvi.de

Software Summary

ievo isync is a background Windows process which operates as a robust tool for the efficient enrolment and distribution of fingerprint templates. This is achieved by the ievo isync server actively managing the distribution of newly enrolled and deleted fingerprint templates across the system. This ensures that all ievo Interface Boards are fully updated with the latest fingerprint templates.

Use of ievo isync allows for simultaneous fingerprint enrolment at multiple locations across a system with the use of a client-server-based software relationship.

ievo isync utilises a Microsoft SQL (MSSQL) database.
ievo isync server is packaged with MSSQL 2014 SP3 Express.



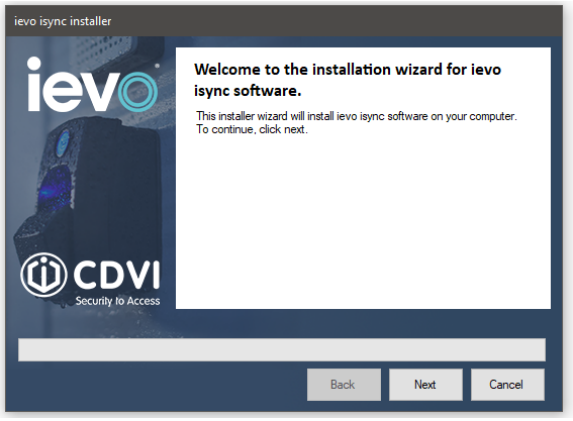
3] ISYNC SERVER

Installing ievo isync Server

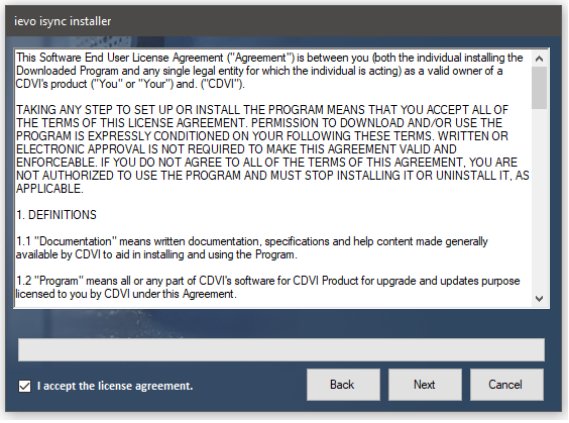
Please follow these instructions after running the 'ievo isync installer.exe' to install the isync server software.

1. Select your language. You can change it once the software has been installed.

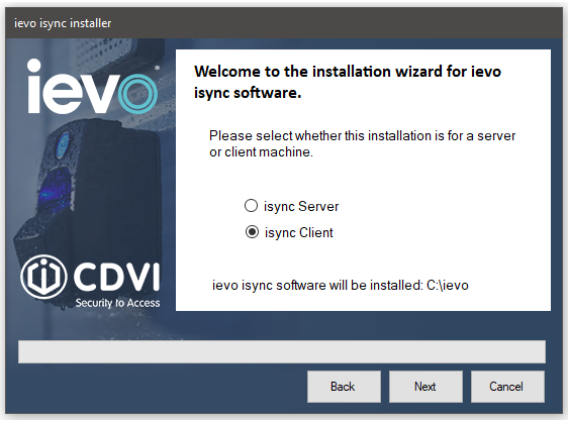
2. On the Welcome screen, click *'Next'*.



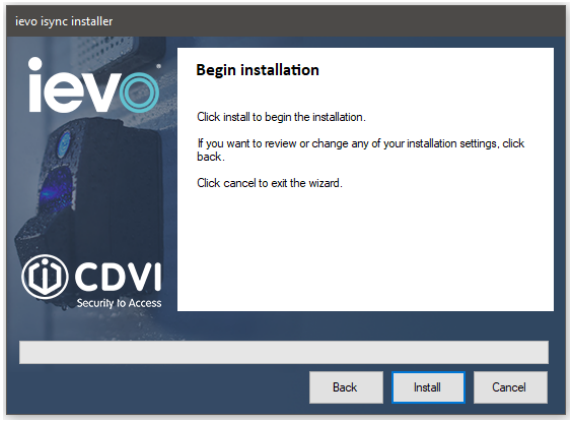
2. Click *'Accept'* and then *'Next'.*



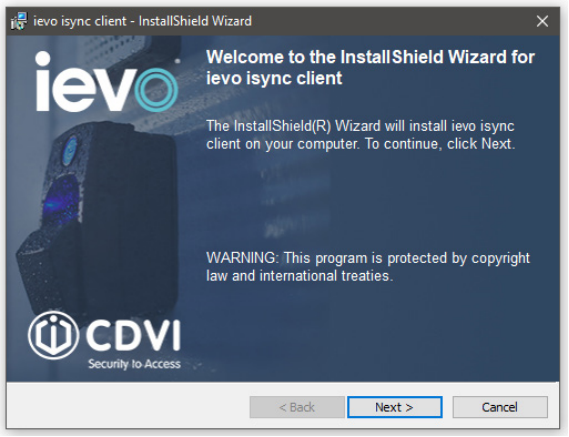
3. Select *'isync Server'* and then click *'Next'.*



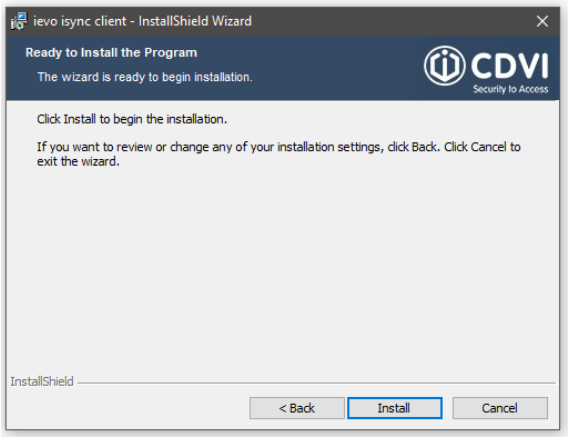
4. Click *'Install'.*



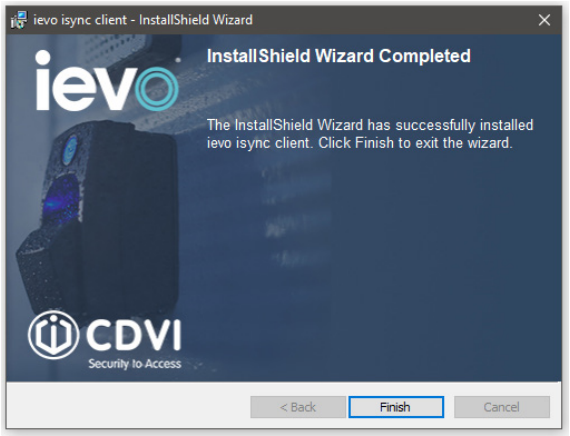
5. A second installation wizard will now appear, click *'Next'.*



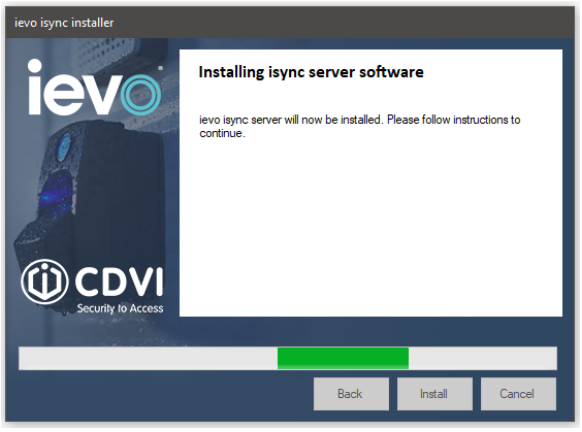
7. Click *'Install'.*



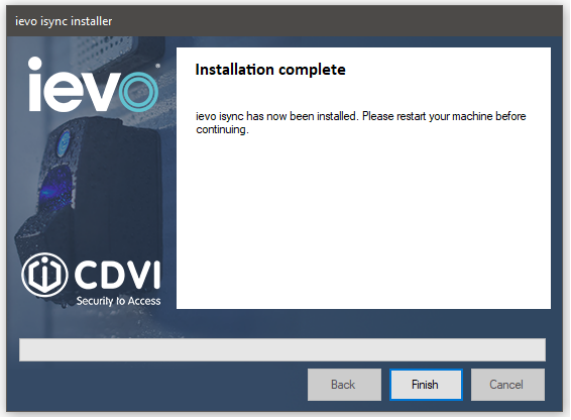
8. Click *'Finish'.*



9. The installer will now automatically start installing MSSQL 2014 and ievo isync server to the machine. This process may take a while to complete.



10. When complete, click '*Finish*' button and restart the machine.



11. The ievo isync distribution service will now run upon boot-up of the machine. The ievo isync Server Halo should now be present in the Windows system tray to denote this.

Configuring ievo isync Server

Before enrolment can be carried out, the isync server software must be connected to the isync SQL database. The isync server software must also be configured with all ievo device information.

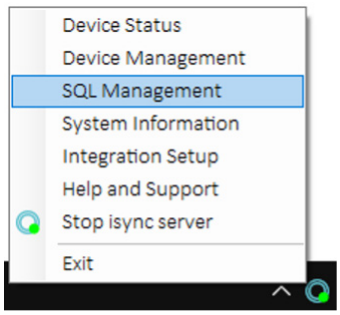
All ievo device settings are stored centrally on the isync server. The isync server software must be updated with the network configurations of each of the ievo devices installed on the system and kept *manually* updated to ensure the correct creation and distribution of fingerprint templates to all ievo devices on the system. ievo devices require a static IP address per Interface Board.

Only the ievo Interface Boards require network configuration. Each ievo reader head operates from the Interface Boards and do not require any network configuration.

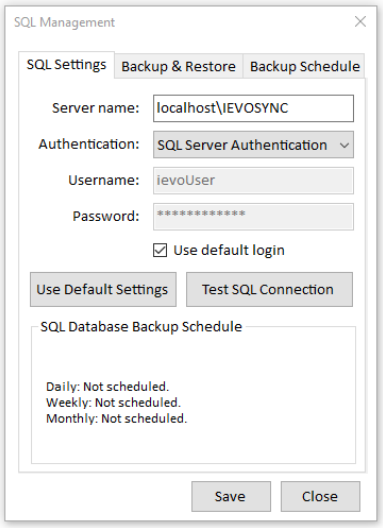
Connecting isync software to SQL Database

The ievo isync software can only connect to the pre-determined isync SQL database, created upon installation of the ievo isync server software. The isync server software should automatically connect to this SQL database, however you can test the connection by following the steps below.

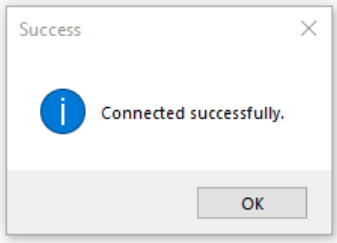
1. Click on the isync halo within system tray and select *'SQL Management'.*



2. Ensure the *'Use Default Login'* box is ticked and then click *'Test SQL Connection'*.



3. You should now see a *'Connected Successfully'* message.
The isync server software is now connected to the ievo isync SQL database.



Configuring an ievo Interface Board

For the ievo isync server software to successfully manage and distribute fingerprint templates, all ievo interface boards must be configured and added to the isync server software. During enrolment, the isync server actively manages and distributes the templates across the system. In the event of an Interface Board being offline, the server will monitor the network status of the Interface Board and upload any missing templates when the network connection is resolved.

Each ievo Interface Board comes with the following default factory settings:

Setting	Default Value
IP Address	192.168.1.225
ID/FC	1
Port	5005
Password	0

Each ievo Interface Board will need manually configuring and adding to the ievo isync server software.

Depending on the network configuration, this can be done in one of the following ways:

Method A: Connect each ievo Interface Board locally to a separate PC to configure before rolling out onto the larger network that is hosting the ievo isync server and client PCs. This method is often preferred for systems where additional IP ranges cannot be added to the existing PCs. If you are using this method, you will need to follow the 'Adding a new ievo Interface Board' section of this manual first on the local PC and then the 'Adding an Existing ievo Interface Board' when adding interface boards to the isync server software.

Method B: Connect each ievo Interface Board onto the network and power each Interface Board up individually, configuring each Interface Board one by one onto the existing network. This method is often preferred for smaller systems where additional IP ranges can be added to the machine and access to the Interface Board is available. If you are using this method, please follow the 'Adding a new ievo Interface Board' section of this manual.

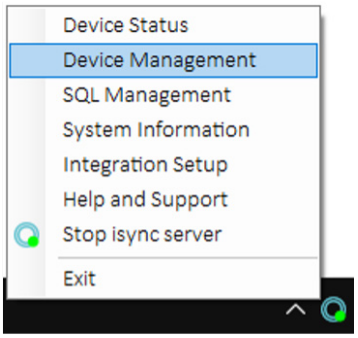
As the ievo Interface Board comes with a default IP address, the machine used to configure the Interface Board will need to be on the following range:

IP Address	192.168.1.1
Subnet	255.255.255.0

Auto Discovery

The '*Auto Discover*' tool allows you to find interface boards in the system automatically without having to manually add them.

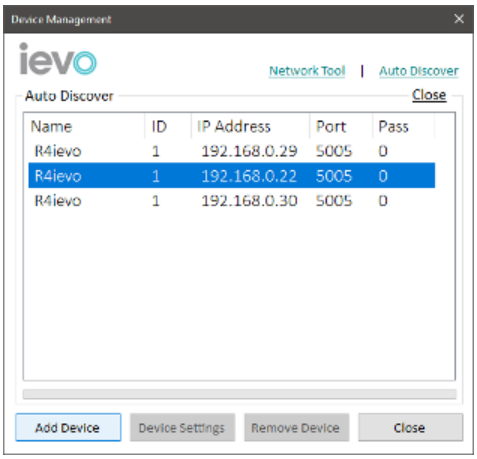
1. Click on the isync halo within the system tray and select *'Device Management'.*



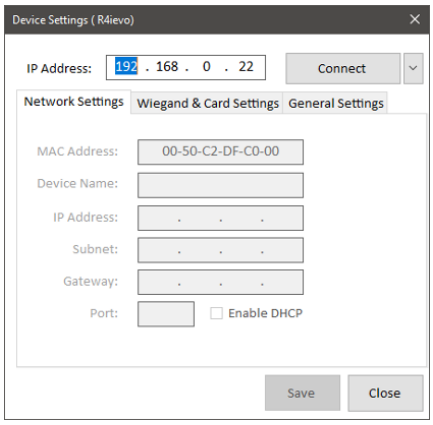
2. Click on *'Auto Discover'*. This will send UDP packets across the network to find ievo interface boards.

3. If any interface boards were found, they will now be displayed. Interface boards marked in white were already added to isync. The ones marked in green are new and can be added to the isync software.

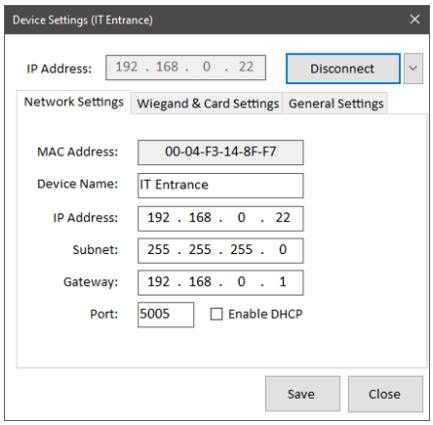
4. Highlight the new Interface Board and click *'Add Device'*.



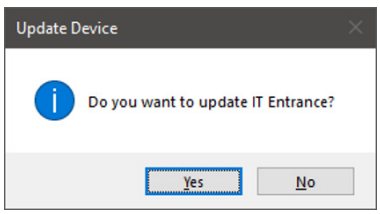
5. Click *'Connect'* to check the device's connection status.



6. Click on the *'Network Settings'* tab if you wish to change the device's settings. Click *'Save'* once finished.



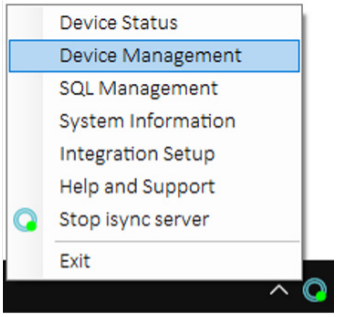
7. Click 'Yes' to add the new Interface Board to the system.



8. The Interface Board has now been successfully added to the system and will now show in the device management list.

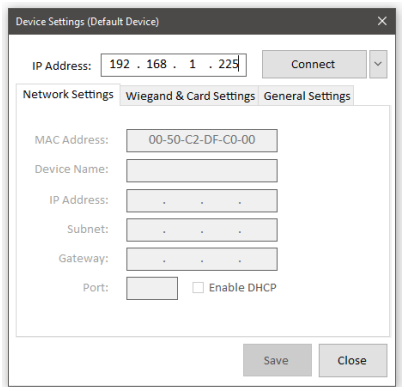
Adding a new ievo Interface Board

1. Click on the isync halo within the system tray and select *'Device Management'.*



2. Click *'Add Device'.*

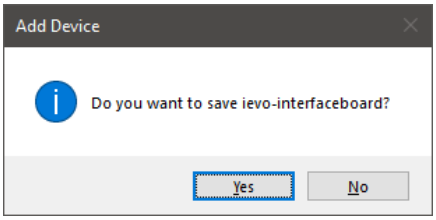
3. Click *'Connect'.*



4. You are now connected to the Interface Board. You can now assign the Interface Board with an IP address to suit the local network if required.

We also recommend that you change the 'Device Name' to match the location. Once you have made the necessary changes, click *'Save'.*

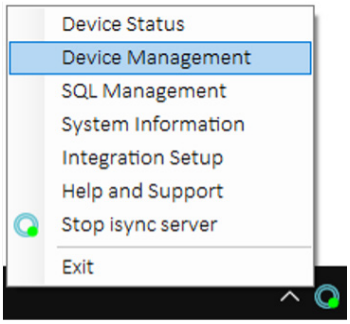
5. Click *'Yes'.*



6. The Interface Board will now show in the isync device list.

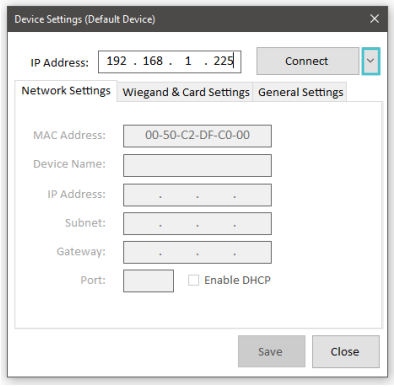
Adding an existing ievo Interface Board

1. Click on the isync halo within the system tray and select *'Device Management'.*

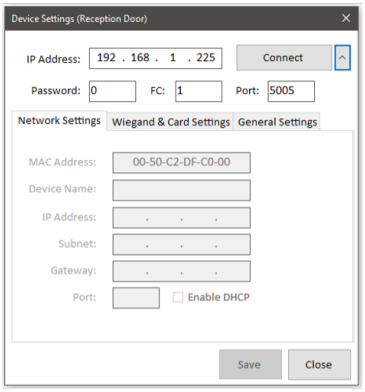


2. Click *'Add Device'.*

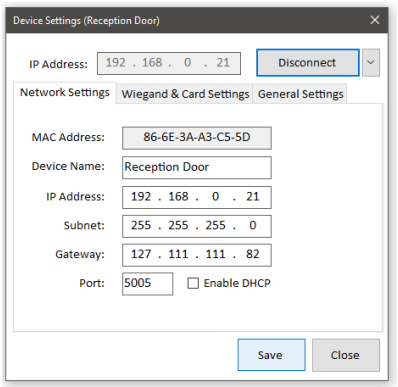
3. Click the drop-down arrow next to *'Connect'.*



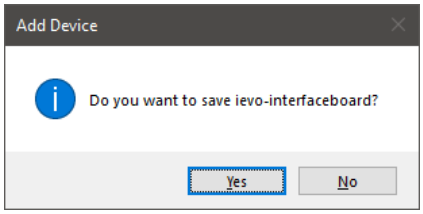
4. Enter the existing Interface Board's IP address, Password, FC and port information and then click *'Connect'.*



5. You are now connected to the Interface Board. To add this Interface Board to the isync server software, click *'Save'.*



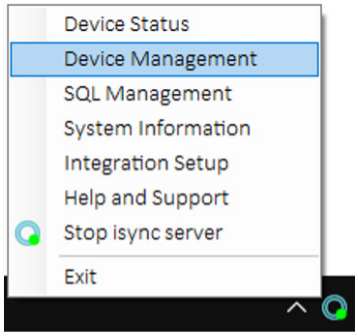
6. Click *'Yes'.*



7. The Interface Board will now show in the isync device list.

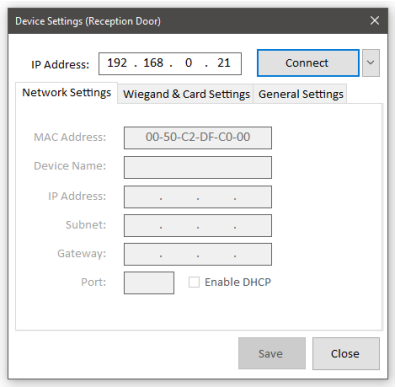
Editing an existing ievo Interface Board

1. Click on the isync halo within the system tray and select *'Device Management'.*

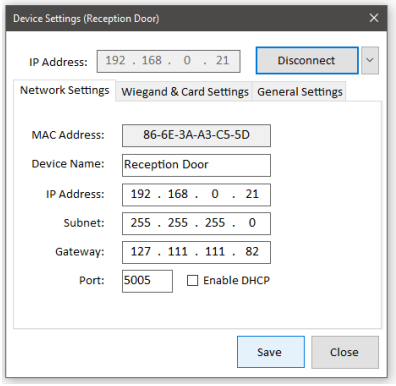


2. Highlight the existing Interface Board you wish to edit and then click *'Device Settings'.*

3. Click *'Connect'.*

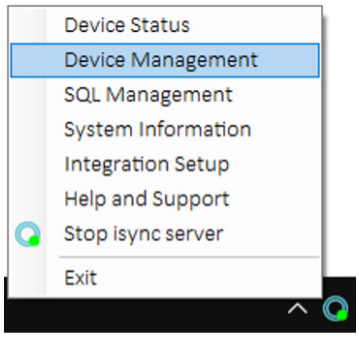


4. You are now connected to the Interface Board.



Removing an ievo Interface Board

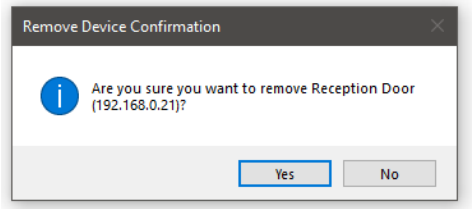
1. Click on the isync halo within the system tray and select *'Device Management'.*



2. Highlight the existing Interface Board you wish to remove and then click *'Remove Device'.*

3. Confirm you wish to remove the Interface Board from the isync software by clicking *'Yes'.*

The selected Interface Board has now been removed.



4] DEVICE SETTINGS OVERVIEW

Network Settings

Feature	Description
Mac Address	Predefined, unchangeable unique address of the Interface Board.
IP Address	Unique configurable network address of the Interface Board.
Subnet	Interface Board's configurable Subnet Mask
Gateway	Interface Board's configurable Network Gateway.
Port	Interface Board's configurable Port.
Use DHCP	Enable or disable DHCP mode.

Wiegand and Card Settings

Feature	Description
FC (Facility Code)	Interface Board's facility code, sometimes referred to as ID. By default, this should be left as 1 unless using the facility code as part of your Wiegand setup.
Output	Interface Board's Wiegand output. Standard is 26bit, other formats are available.
Denied Wiegand	Enables the Interface Board to send a Wiegand signal when a fingerprint is denied. Output number defined needs to be added into the Access Control software as a user.
Start-up Wiegand	Enables the Interface Board to send Wiegand when the ievo Interface Board starts up. Output number defined needs to be added into the access interface software as a user.
Tamper Wiegand	Enables the Interface Board to send a Wiegand signal when the ievo Reader head is tampered with. Output number defined needs to be added into the access interface software as a user.
Card Operating Mode	Switch between different card operating modes. E.g if a Card Number is EF 86 8C 01 FB FF 12 E0 • Standard: 86 8C 01 FB FF 12 E0 (Depending on Wiegand output) • Legacy: 8C 86 EF • First 4 Bytes: EF 86 8C 01 • OEM (Last 4 Bytes): FB FF 12 E0
Template on Card Mode	Enable or disable Template on Card mode.

General Settings

Feature	Description
Match Score	Level to which a scanned finger must match the registered finger.
Spoof Detection	Level of fake and liveness detection
Accepted/Denied LEDs	Enable or disable the connected ievo readers from going green or red when a user is granted or denied access.
Proximity Trigger	Enable or disable the proximity sensors inside any connected ievo reader heads.
Date and Time	Shows the current date and time of the Interface Board and gives the ability to set the time and time from the connected PC.
Firmware Versions	Presents the current 'App' and 'Main' firmware of the Interface Board and the 'Head' firmware of any connected reader heads.
Default Settings	Resets all configurations back to default. Does not include network settings.

5] TEMPLATE ON CARD

Under standard setup, ievo readers operate using 1:N identification. This is where a user's fingerprint is identified from a database of all fingerprint templates stored on the ievo Interface Board.

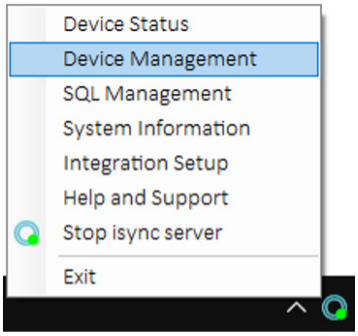
Template on Card is a form of 1:1 identity verification. In this method, rather than user templates being stored on the ievo Interface Board, they are instead stored on a user's iClass card.

The card is presented to the ievo reader, which temporarily stores the template, and then waits for a matching fingerprint to be scanned. This means that for a user to be granted they need to present both a card and their finger.

Template on Card functionality requires the addition of the ievo high-frequency card module.
The enrolment of template on card via USB requires a HID Omnikey 5427CK.
Template on Card mode is only supported with HID iClass 32k cards.

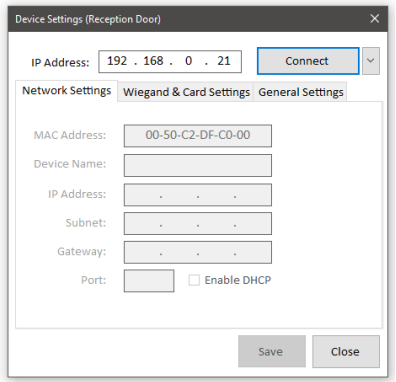
Enabling Template on Card Mode

1. Click on the isync halo within the system tray and select *'Device Management'.*

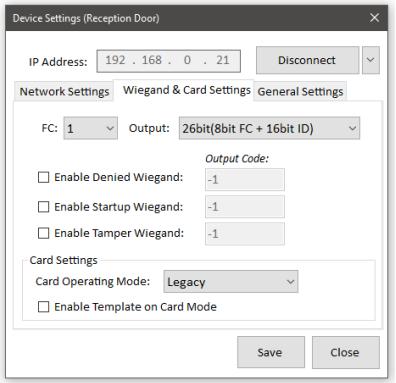


2. Highlight the Interface Board you wish to enable 'Template on Card Mode' on and then click *'Device Settings'.*

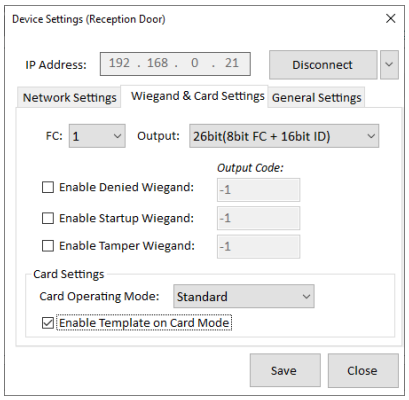
3. Click *'Connect'.*



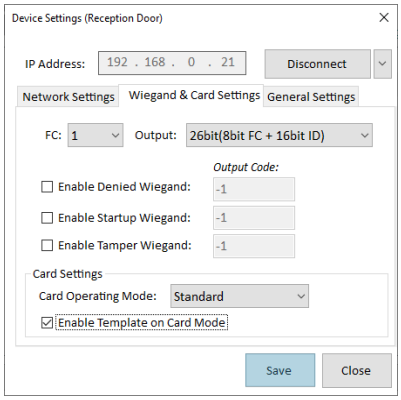
4. Click the *'Wiegand and Card Settings'* tab.



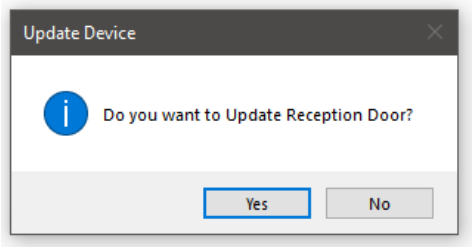
5. Click *'Enable Template on Card Module'.*



6. Click *'Save'.*



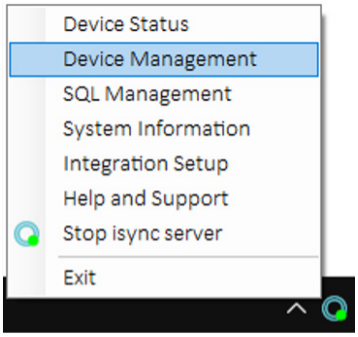
7. Click *'Yes'.* Template on Card mode is now enabled.



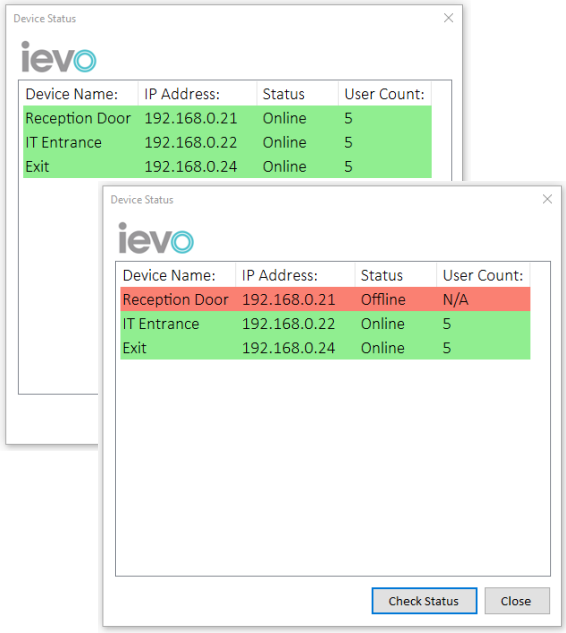
6] SERVER SYSTEM INFORMATION

Checking a Device's Status

1. Click on the ievo isync halo within the system tray and select *'Device Status'.*



2. Click on *'Check Status'.*



3. The isync software will now check the network status and user count of each interface board.

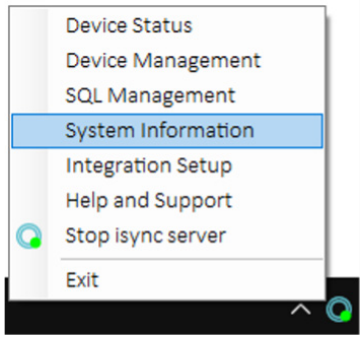
If an interface board is offline, no information will be returned, and it will be shown as red.

Retrieving Machine's Hardware ID

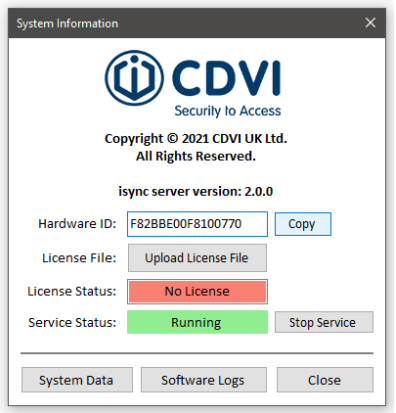
The machine's hardware ID is a unique number generated by data from the machine's HDD and CPU which produce a string of numbers that we refer to as the 'Hardware ID'.

This hardware ID is used when generating certain software licenses required for certain integrations and features.

1. Click on the ievo isync halo within the system tray and select *'System Information'.*

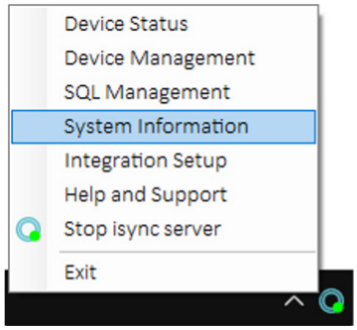


2. The machine's hardware ID is visible within the *'Hardware ID'* field. To copy this, click *'Copy'*.

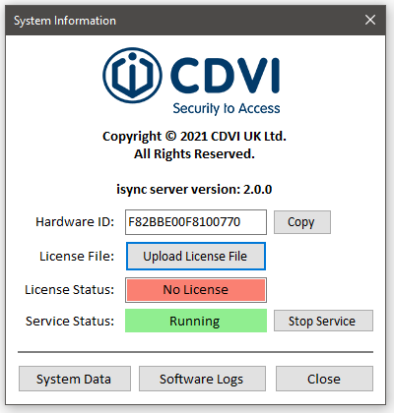


Uploading a License File

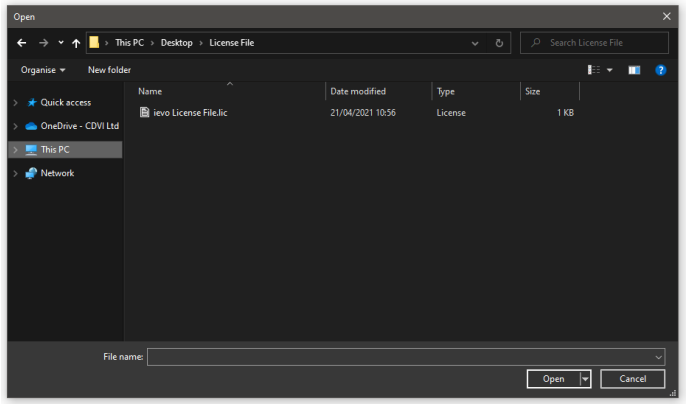
1. Click on the ievo isync halo within the system tray and select *'System Information'.*



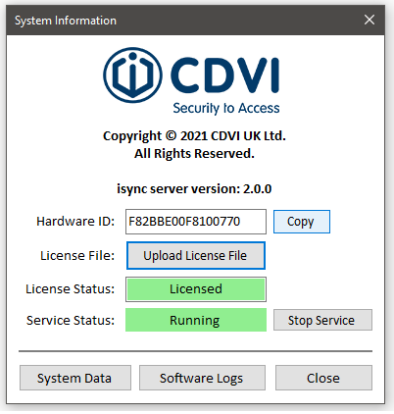
2. Click on *'Upload License File'.*



3. Nagivate to the file where you have saved the *'ievo license'* file provided to you by our support team and then click *'Open'*.



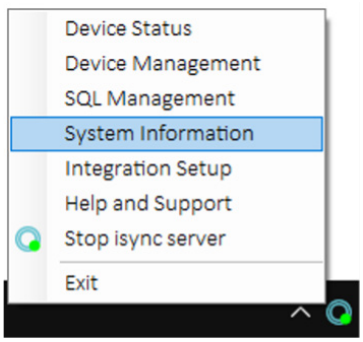
4. The license will now activate and the *'License Status'* should change from *'No License'* to *'Licensed'*.



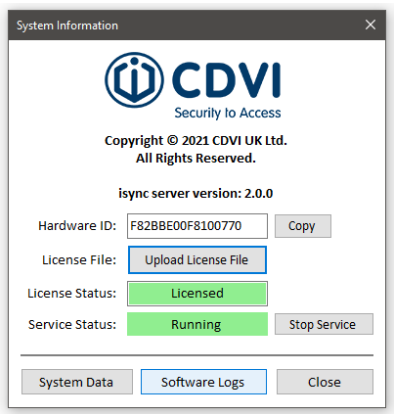
Retrieving Software Logs

In the event of experiencing an issue, you may be asked to provide the server machine's software logs by our support team. These logs contain information about the machine and the background processes taking place, which will help our support team resolve your issue.

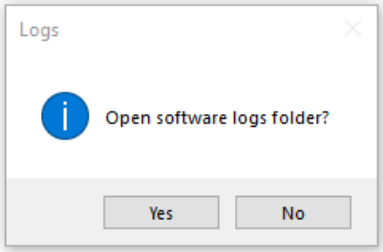
1. Click on the ievo isync halo within the system tray and select *'System Information'.*



2. Click on *'Software Logs'.*



3. Click *'Yes'* if you wish to access the logs folder now. Alternatively, these can be accessed at a later date by navigating to *C:\ievo\Logs.*

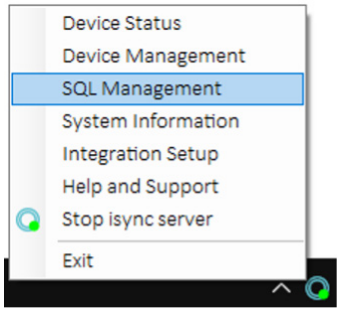


7] SQL MANAGEMENT

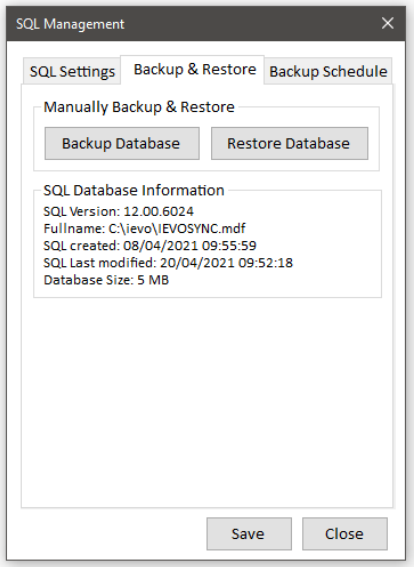
The ievo isync server and client software both utilise a pre-defined SQL database. However, regular backups of the database should be taken to prevent any loss of data in the event of a machine or software failure.

Manually Backing Up Database

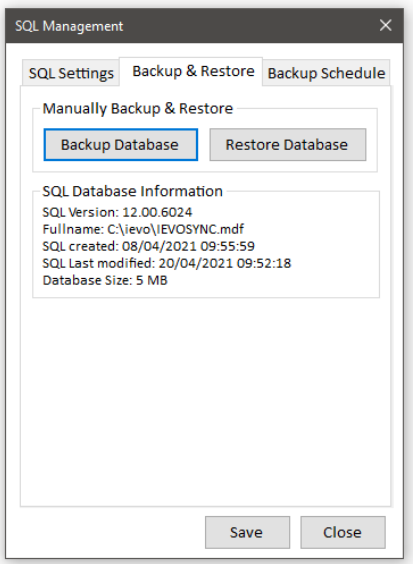
1. Click on the ievo isync halo within the system tray and select *'SQL Management'.*



2. Click on the *'Backup & Restore'* tab.

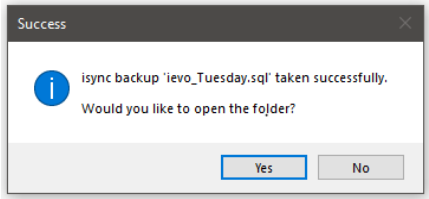


3. Click on *'Backup Database'.*



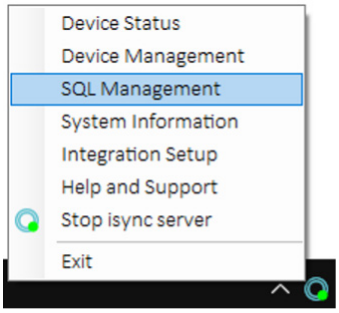
4. The isync database has been successfully backed up and saved in the *C:\ievo\backup folder.*

You can choose to open this folder now or navigate to it later.

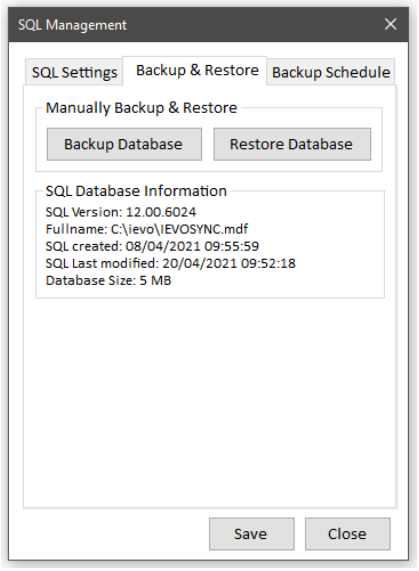


Manually Restoring Database

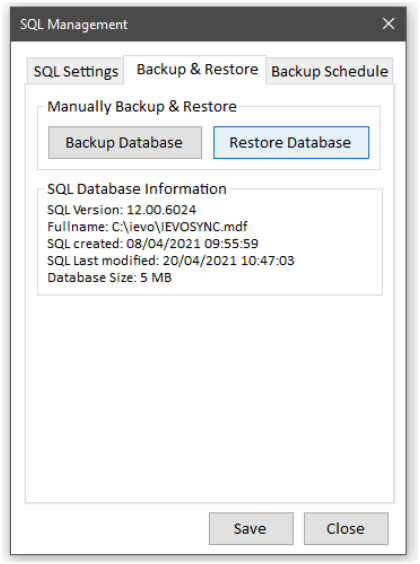
1. Click on the ievo isync halo within the system tray and select *'SQL Management'.*



2. Click on the *'Backup & Restore'* tab.



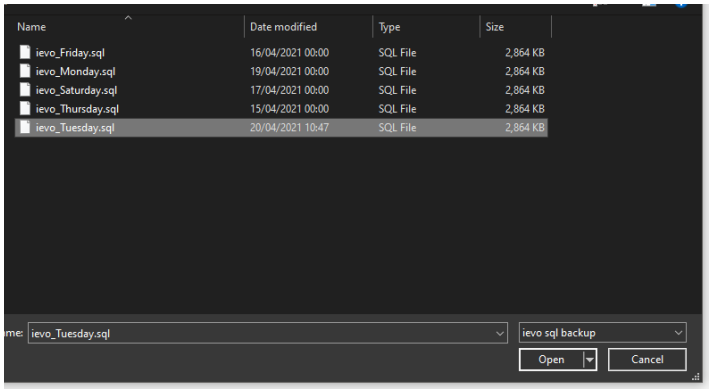
3. Click on *'Restore Database'*



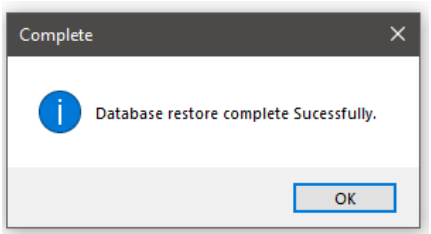
4. Browse to the database backup you wish to restore. By default, the isync software saves all database backups to the *C:\ievo\backup* folder.

Once you have selected the file, click *'Open'.*

Restoring a database will overwrite the current database.

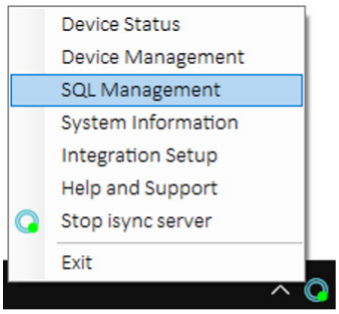


5. Database has been restored successfully.

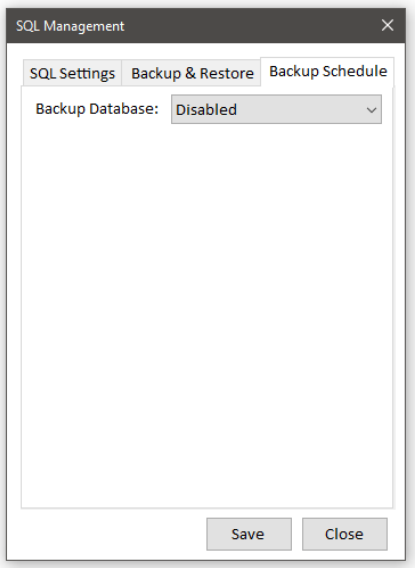


Configuring Scheduled Database Backups

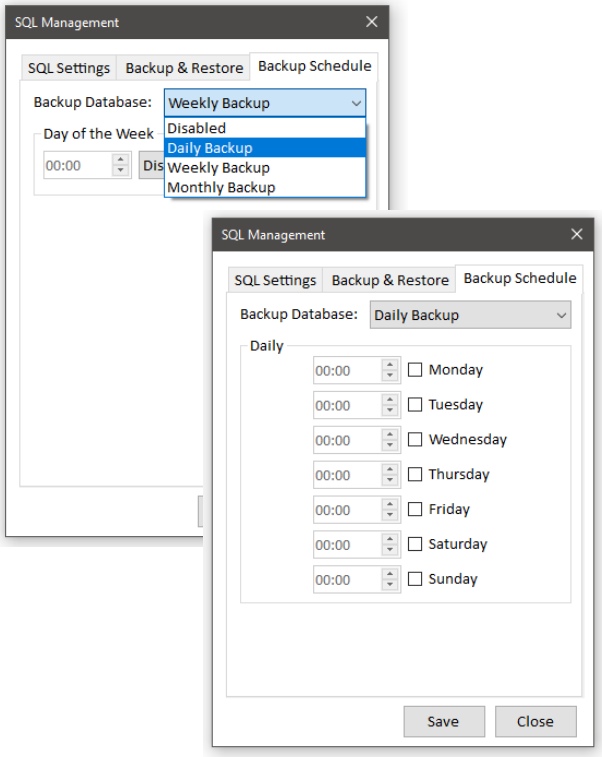
1. Click on the ievo isync halo within the system tray and select *'SQL Management'.*



2. Click on the *'Backup Schedule'* tab.



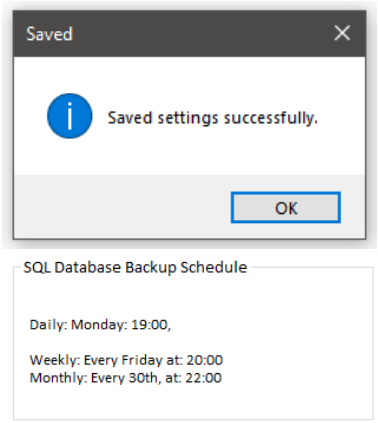
3. Click on the drop-down menu and select the interval at which you want to backup the database. You can select multiple options.
E.g. a daily, weekly and a monthly backup.



4. Click *'Save'.*

The backup schedule has now been saved.

You can view the backup schedule on the *'SQL Settings'* tab within the *'SQL Management'* window.

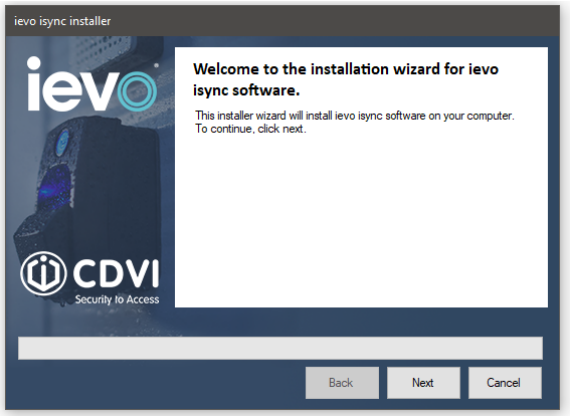


8] ISYNC CLIENT

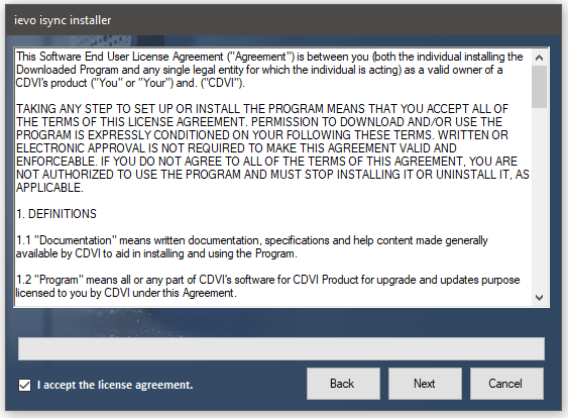
Installing ievo isync Client

1. Select your language. You can change it once the software has been installed.

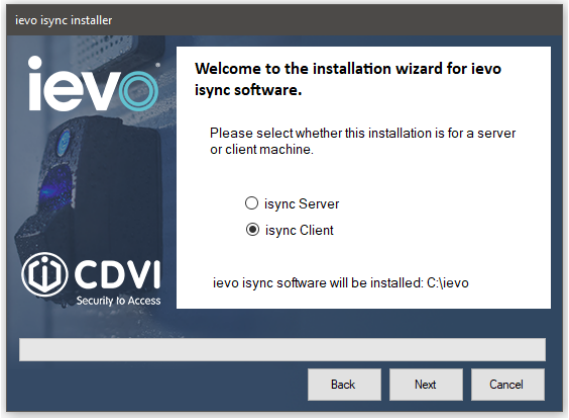
1. Click *'Next'.*



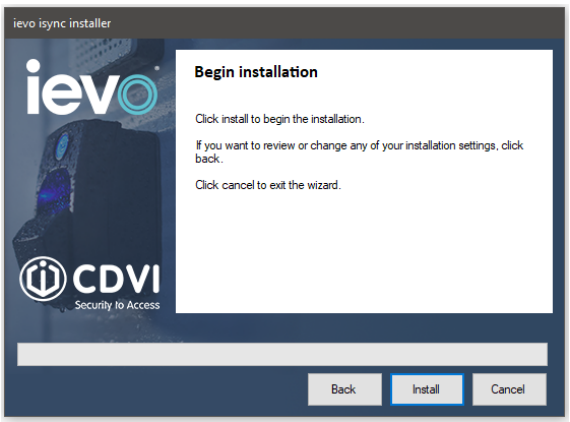
2. Click *'Accept'*, then click *'Next'.*



3. Select *'isync Server'*, then click *'Next'.*

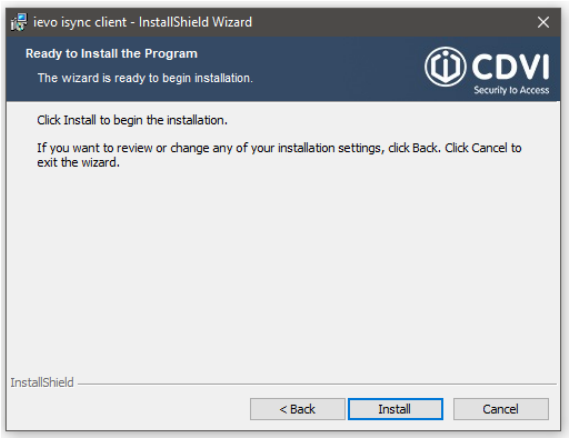


4. Click *'Install'.*

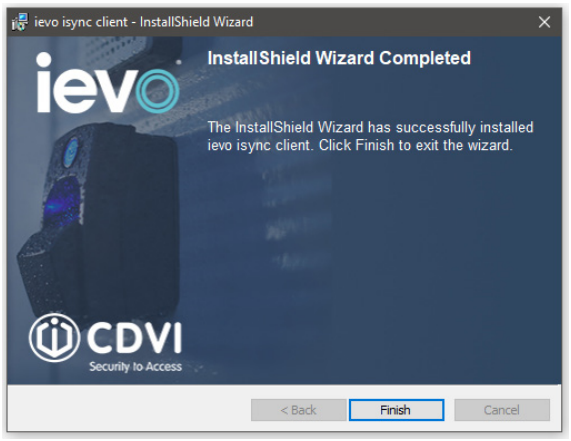


5. A second installation wizard will now appear, click *'Next'.*

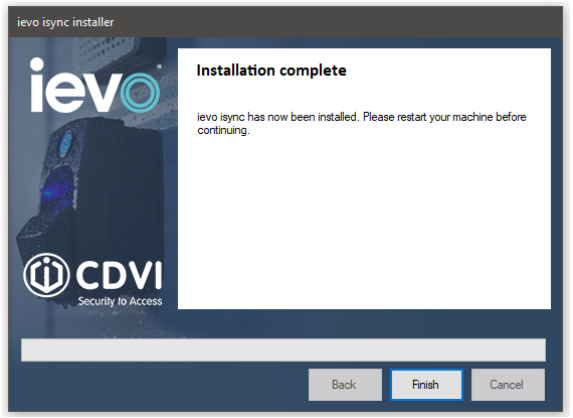
7. Click *'Install'.*



8. Click *'Finish'.*



9. Click *'Finish'* again on the next window.

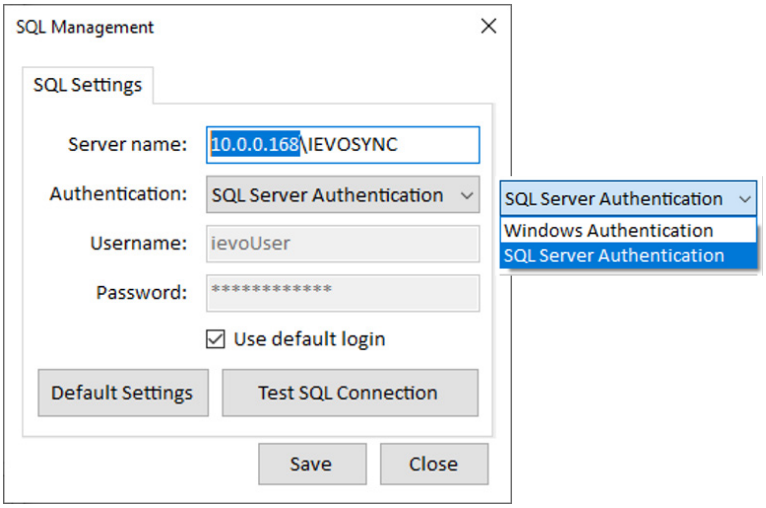


Connecting ievo isync Client

The first time the client software is launched, you will need to check the SQL Connection Settings. This connects to the isync database. You must include the server address and the database name.

Example: If the isync server is running on IP address 10.0.0168, the default server name will be 10.0.0168/IEVOSYNC.

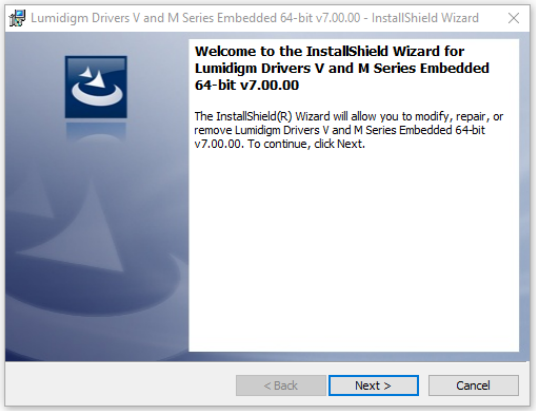
The window can also be launched by running isync FP software. This can be found in the start menu or the installation folder *"c:\ievo\isync".*



Setting	Value Meaning
Server Name	This is the network location to the isync database. This includes the database name.
Authentication	Windows or SQL Authentication.
Username	SQL Username
Password	SQL Password
Use default login	isync built-in default credentials.
Default Settings	Defaults all settings to local host.
Save	Saves connection settings.
Close	Closes software without changing settings.

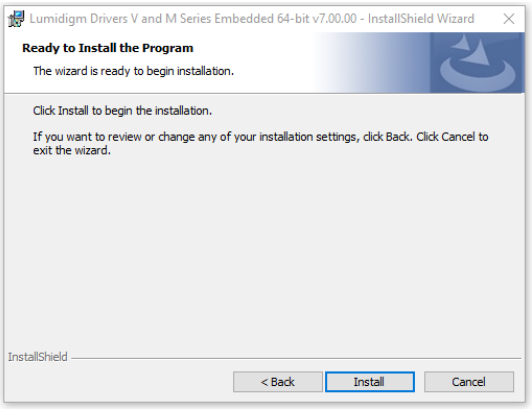
9] INSTALLING USB DESKTOP DRIVERS

1. Launch the *'USB Desktop Drivers'* installation file and then click *'Next'*.

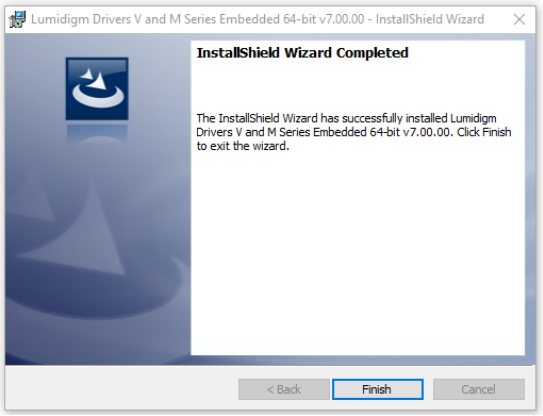


2. Click *'Accept'*, then *'Next'*.

3. Click *'Install'*.



4. Click *'Finish'*.

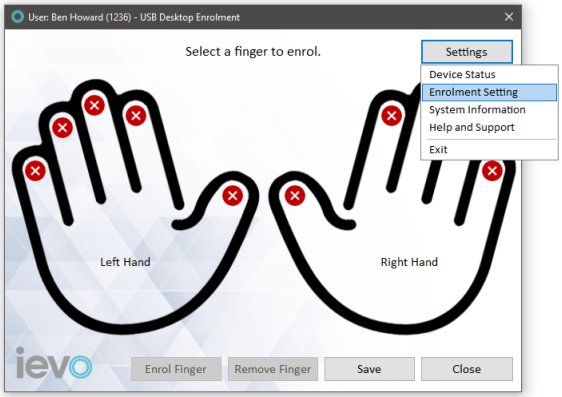


10] ENROLMENT

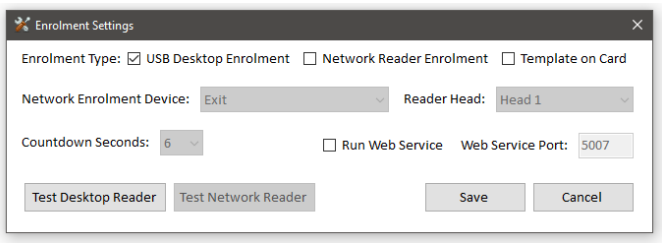
Fingerprint enrolment can be carried out using either a Desktop USB Reader or via a network reader. We recommend using a Desktop USB Reader, unless the chosen network reader is within close proximity of the enrolment machine.

Enrolling using a Desktop USB Reader

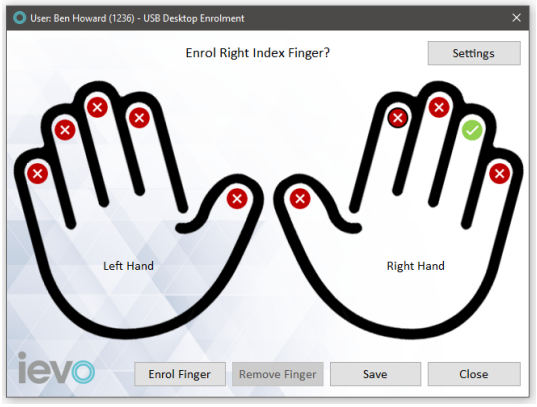
1. Within the fingerprint window, click *'Settings'*, then click *'Enrolment Settings'.*



2. Select *'USB Desktop Enrolment'* and then click *'Save'.* These settings will now apply to future enrolments.



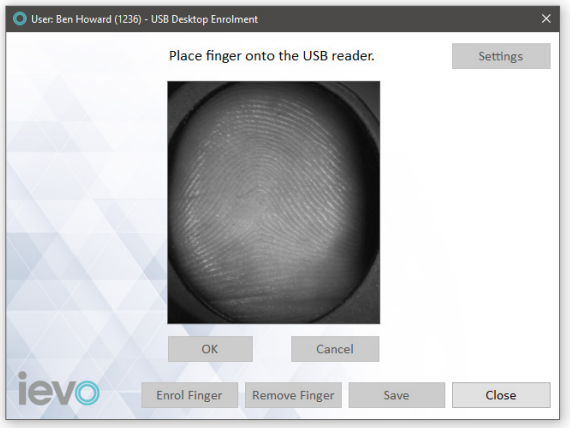
3. Select a finger you want to enrol and then click *'Enrol Finger'.*



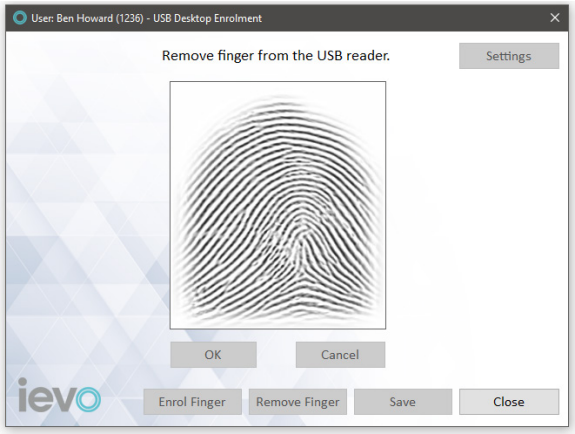
Unenrolled fingers

Enrolled fingers

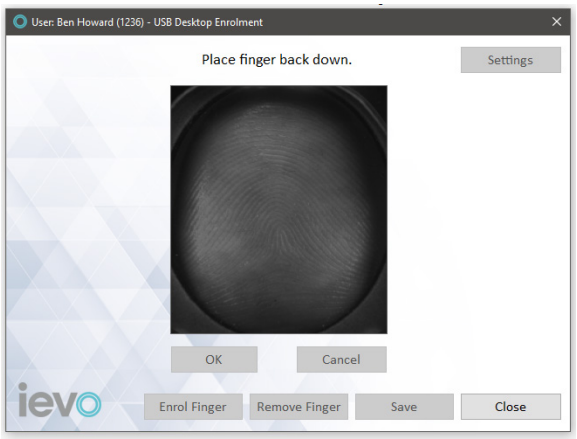
4. The USB Desktop Enrolment Reader will now light up. Place your selected finger onto the sensor.



5. After the first scan is complete, follow the on-screen instructions and remove your finger from the sensor. Removing your finger from the sensor in between scans is important to prevent latent detection.

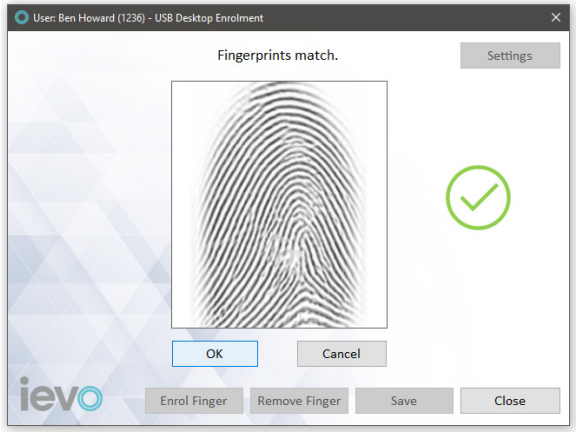


6. When prompted, place your finger back down onto the sensor and follow the on-screen instructions to remove your finger.

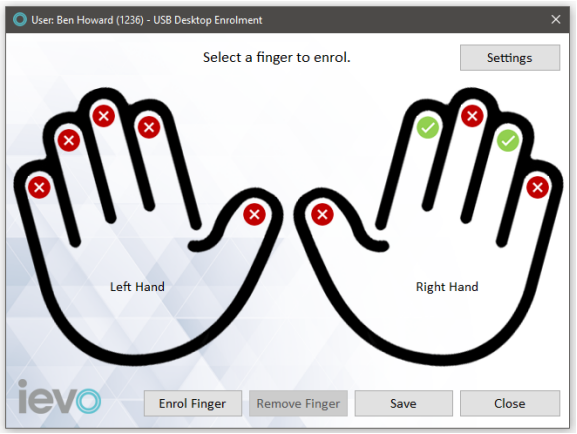


7. You will now see the image of the enrolled finger. If you are satisfied with the quality of the image taken, press *'OK'.*

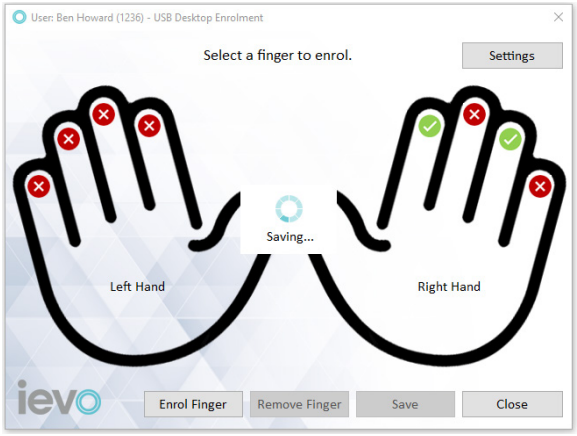
For more information on how to spot a poor-quality fingerprint, please see our *'End User Guides'*.



8. You can now enrol another finger should you want to. Alternatively, if you are finished enrolling, click *'Save'*.

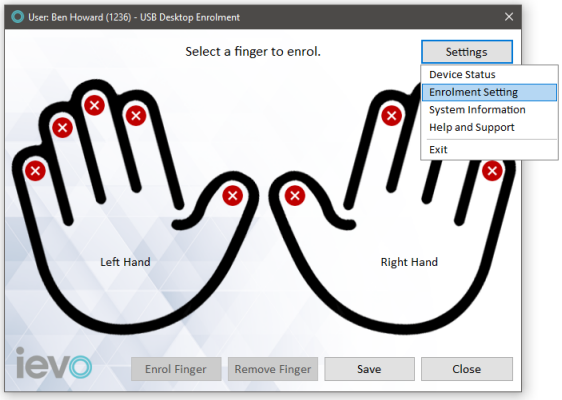


9. The isync software will now distribute the fingerprint templates across the system.

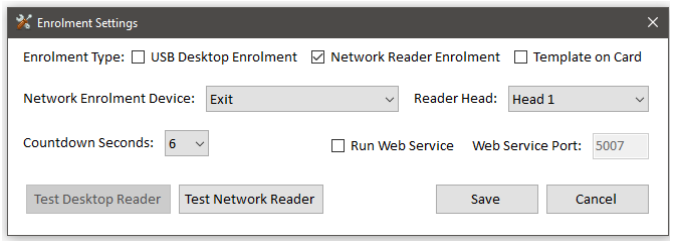


Enrolling using a Network Reader Head

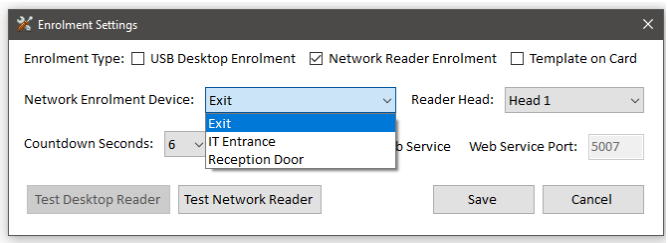
1. Within the fingerprint window, click *'Settings'*, then click *'Enrolment Settings'.*



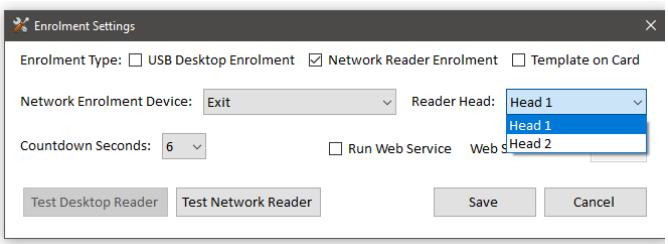
2. Select *'Network Reader Enrolment'.*



3. From the *'Network Enrolment Device'* drop-down menu, select which Interface Board you want to enrol at.

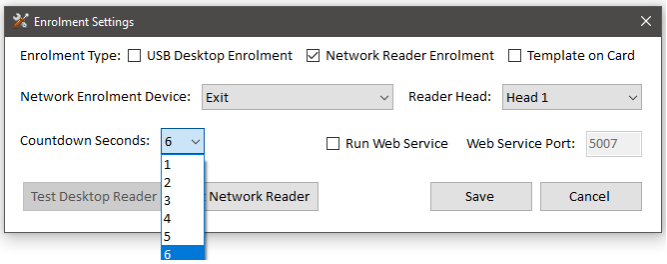


4. Select whether you want to use the network reader head plugged into input A or B of the Interface Board from the *'Reader Head'* drop-down menu.

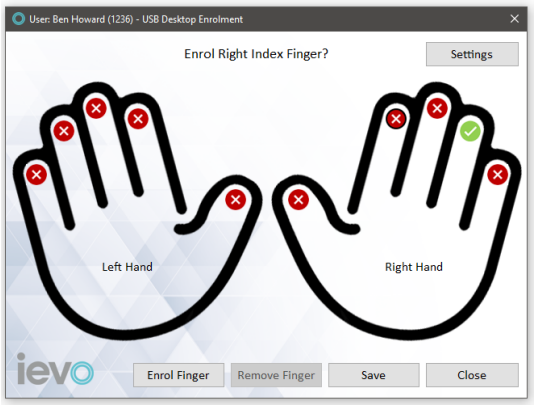


5. Select how long you want the software to count down for before starting enrolment at the network reader and then click *'Save'*.

These settings will now apply to future enrolments.



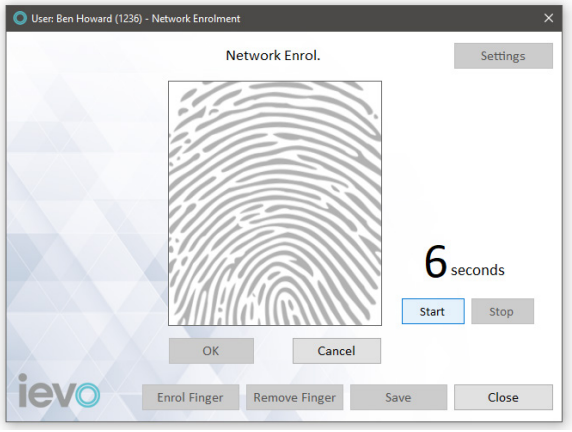
6. Select a finger you want to enrol and then click *'Enrol Finger'.*



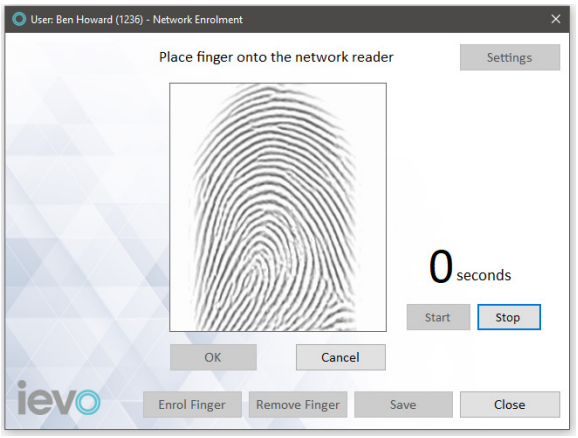
Unenrolled fingers

Enrolled fingers

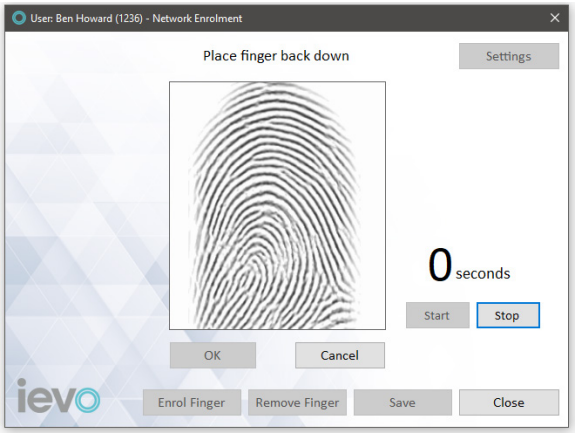
7. Click *'Start'* to begin the countdown.



8. The chosen network reader will now light up when the countdown reaches zero. Place your selected finger onto the sensor.

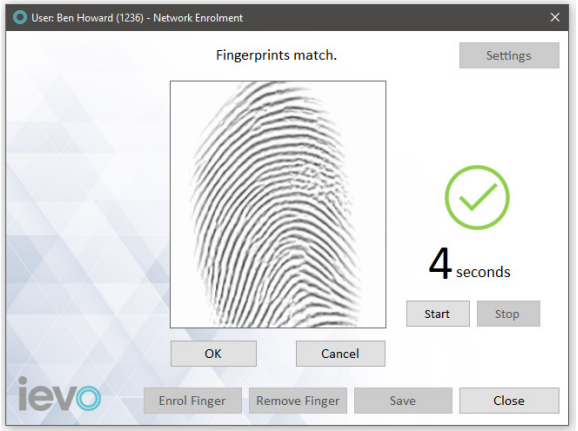


9. After the first scan is complete, remove your finger from the sensor and when prompted, place your finger back-down onto the sensor.

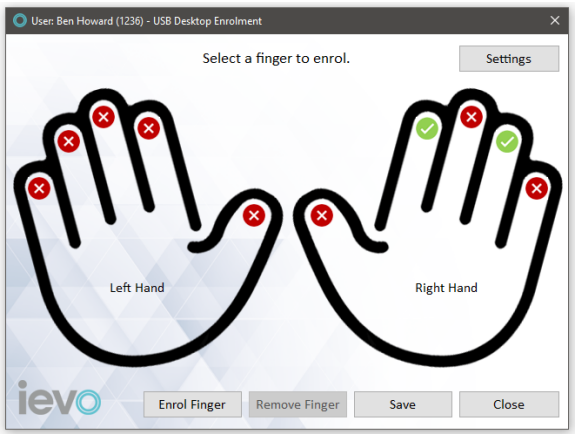


10. You will now see the image of the enrolled finger. If you are satisfied with the quality of the image taken, press *'OK'*. If not, you can start the process again by pressing *'Start'*.

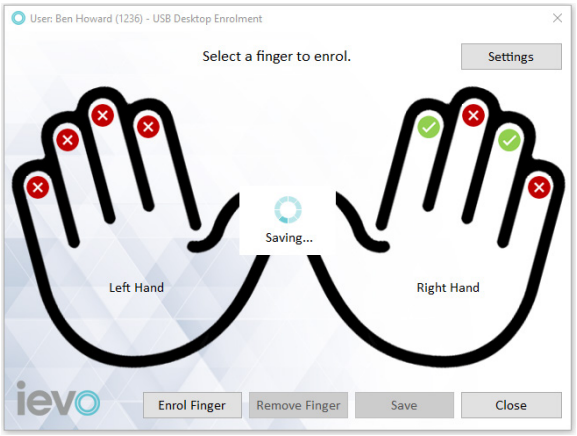
For more information on how to spot a poor-quality fingerprint, please see our *'End User Guides'*.



11. You can now enrol another finger should you want to. Alternatively, if you are finished enrolling, click *'Save'*.

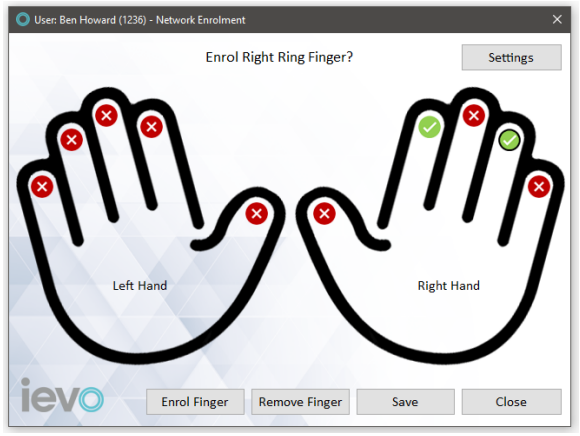


12. The isync software will now distribute the fingerprint templates across the system.

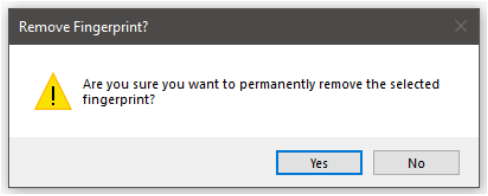


Removing a Fingerprint

1. Select a finger you want to remove and then click *'Remove Finger'*.



2. Click *'Yes'*. This will permanently delete the selected fingerprint.

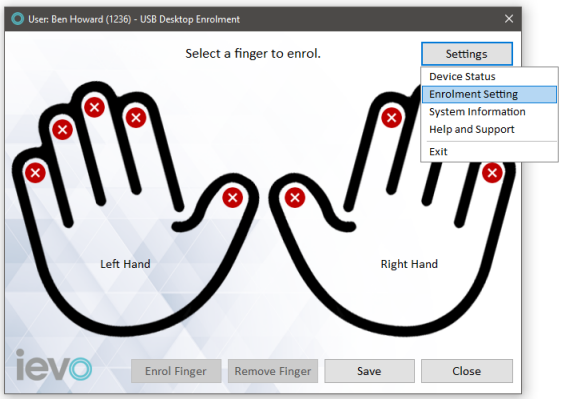


Unenrolled fingers

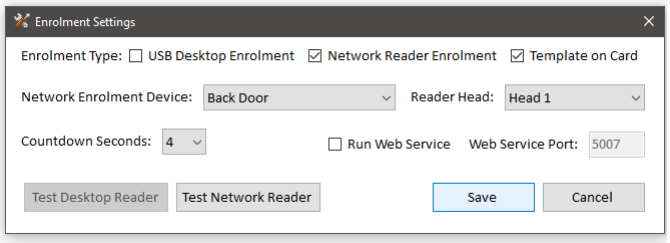
Enrolled fingers

Enrolling a Template on Card with a Network Reader

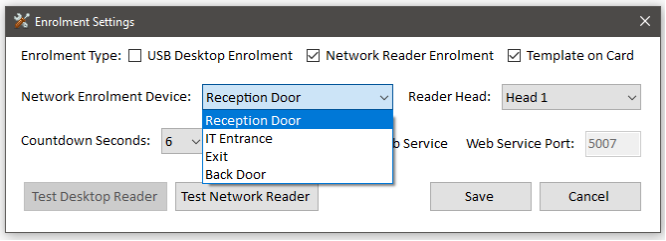
1. Within the fingerprint window, click *'Settings'*, then click *'Enrolment Settings'.*



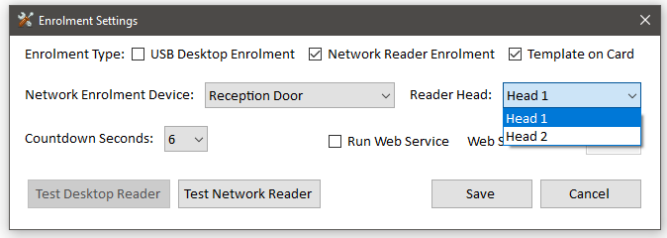
2. Select *'Template on Card'* and *'Network Reader Enrolment'.*



3. From the *'Network Enrolment Device'* drop-down menu, select which Interface Board you want to enrol at.

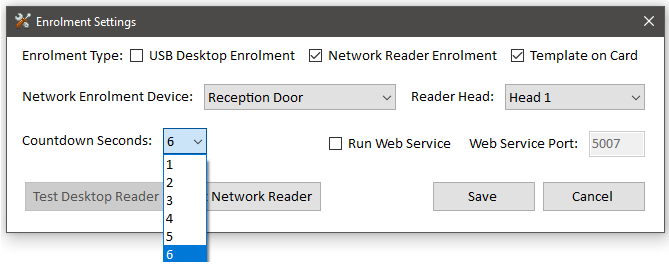


4. Select whether you want to use the network reader head plugged into input A or B of the Interface Board from the *'Reader Head'* drop-down menu.

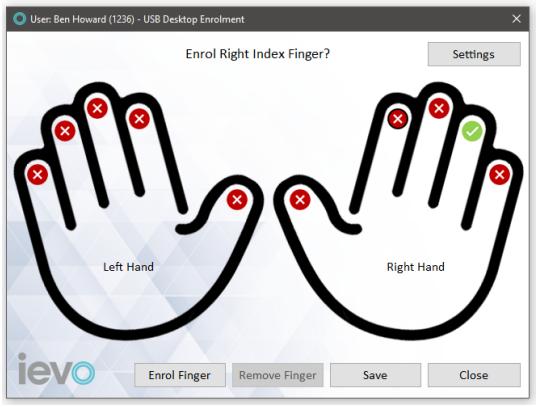


5. Select how long you want the software to count-down for before starting enrolment at the network reader and then click *'Save'*.

These settings will now apply to future enrolments.



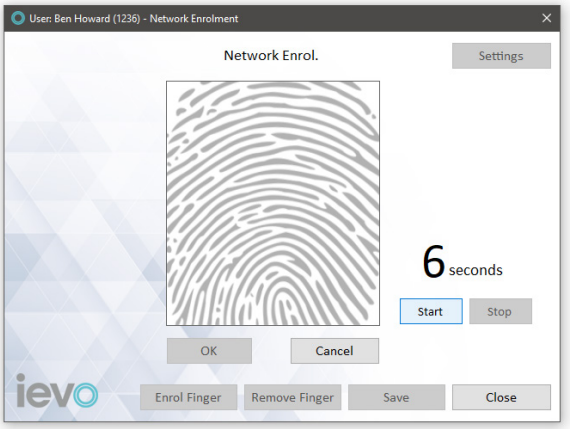
6. Select a finger you want to enrol and then click *'Enrol Finger'*.



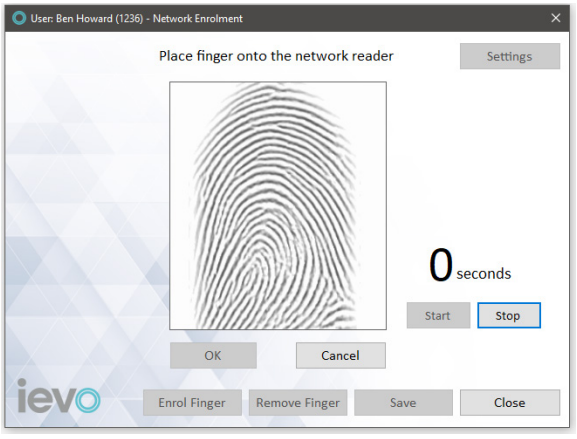
Unenrolled fingers

Enrolled fingers

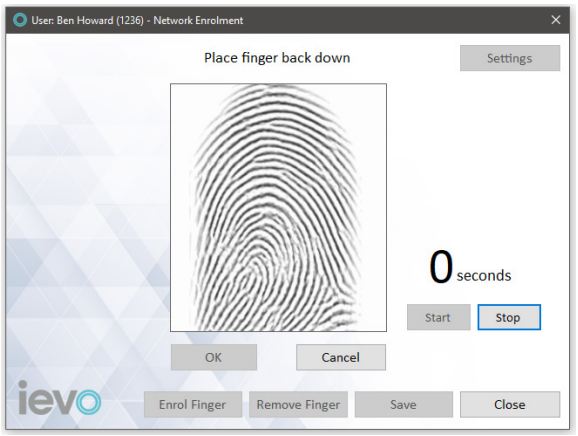
7. Click *'Start'* to begin the countdown.



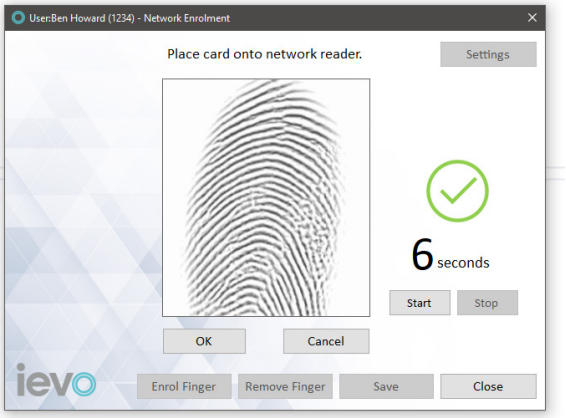
8. The chosen network reader will now light up when the countdown reaches zero. Place your selected finger onto the sensor.



9. After the first scan is complete, remove your finger from the sensor and when prompted, place your finger back-down onto the sensor.

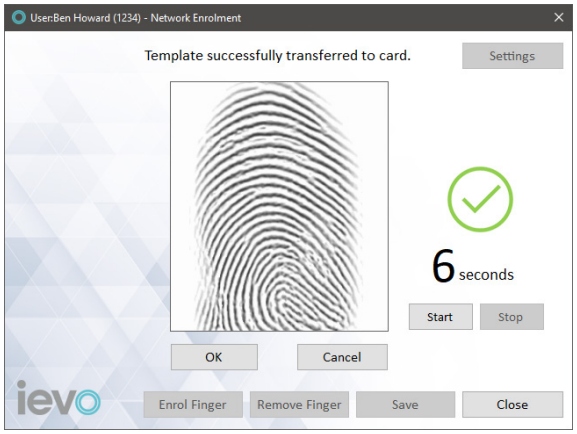


10. After the second scan, you will now be prompted to place your card onto the ievo reader head.



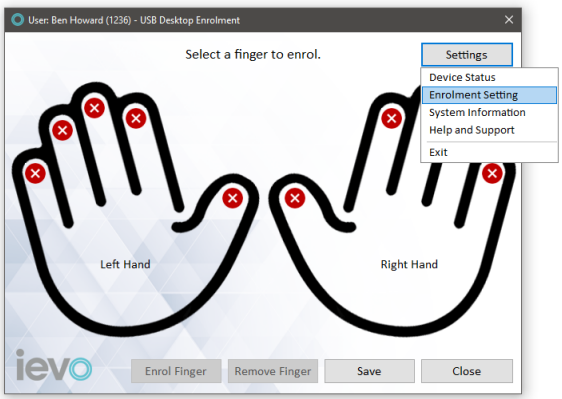
11. Hold your card up to the ievo halo. A 'beep' will indicate that the fingerprint template has been transferred to the card successfully.

12. Click *'OK'* and then *'Save'*.
If the transfer fails, you can start the process again by pressing *'Start'*.



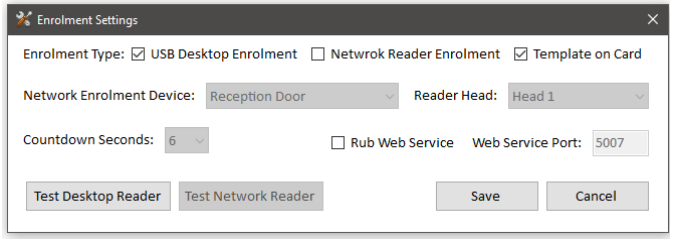
Enrolling a Template on Card with a USB Desktop Reader

1. Within the fingerprint window, click *'Settings'*, then click *'Enrolment Settings'.*

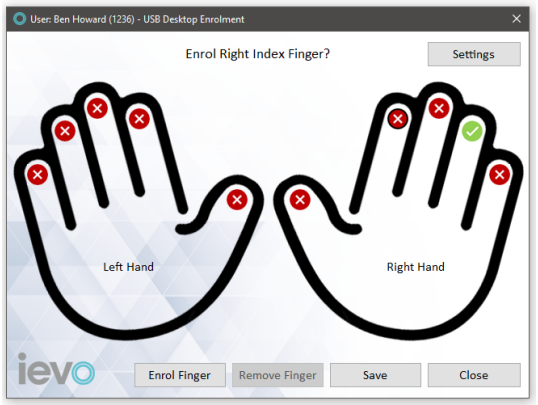


2. Select *'Template on Card'* and *'USB Desktop Reader Enrolment'.* Then click *'Save'*.

These settings will now apply to future enrolments.



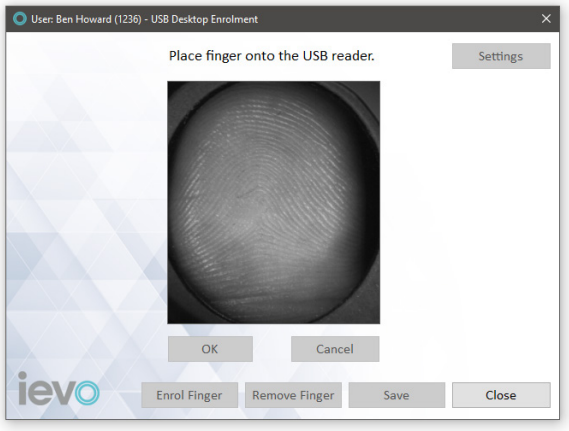
3. Select a finger you want to enrol and then click *'Enrol Finger'.*



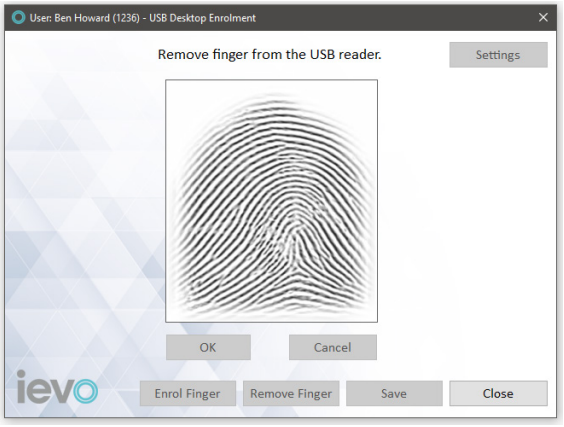
Unenrolled fingers

Enrolled fingers

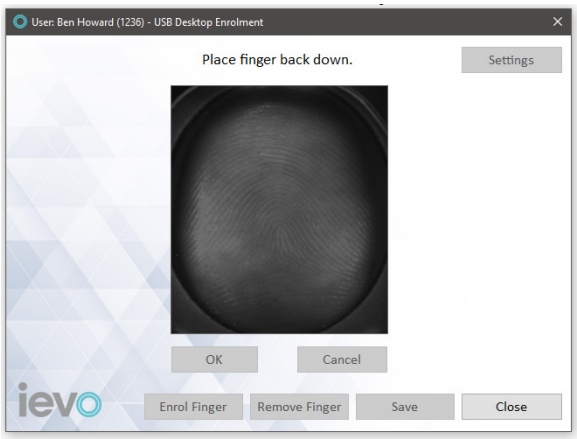
4. The USB Desktop Enrolment reader will now light up. Place your selected finger onto the sensor.



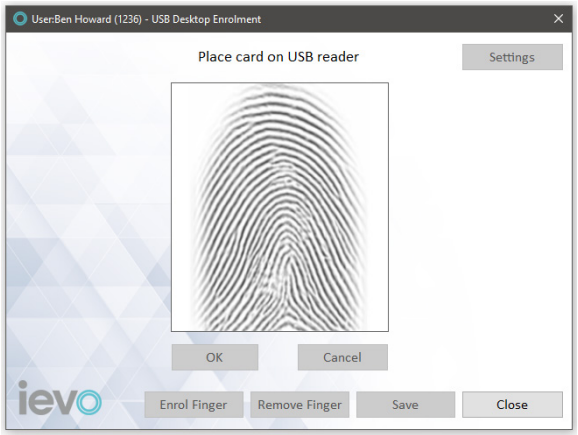
5. After the first scan is complete, follow the on-screen instructions and remove your finger from the sensor.



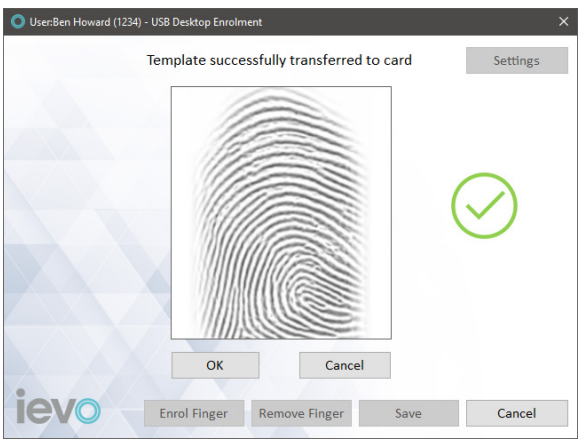
6. When prompted, place your finger back down onto the sensor and follow the on-screen instructions to remove your finger.



7. After the second scan, you will now be prompted to place your card onto the Omnikey USB Desktop Reader.



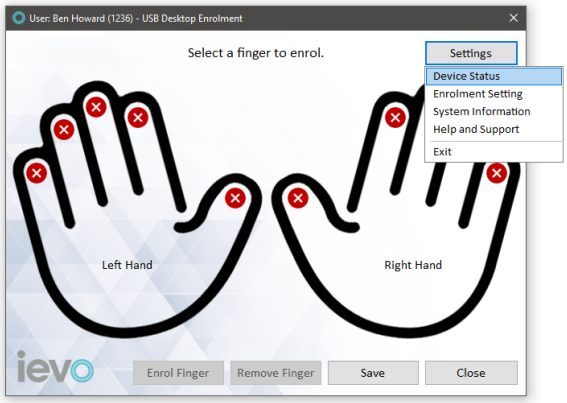
8. The template will now be written to the card. Click *'OK'* and then *'Save'*.



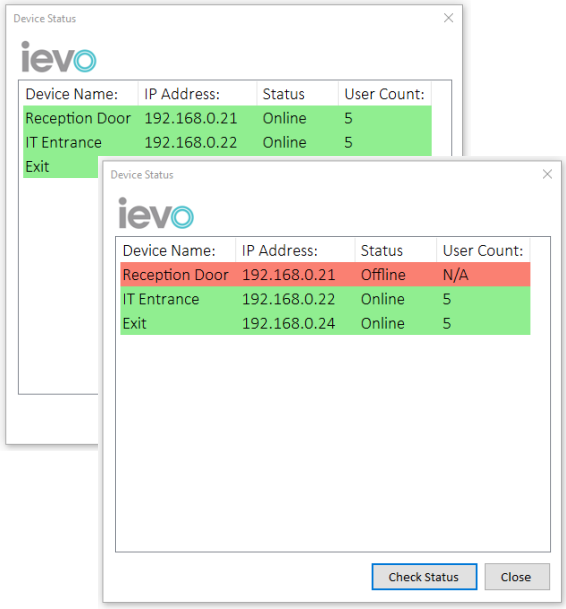
11] CLIENT SYSTEM INFORMATION

Checking a Device's Status

1. Within the fingerprint window, click *'Settings''*, then click *'Device Status'*.



2. Click on *'Check Status'.*



3. The isync software will now check the network status and user count of each Interface Board.

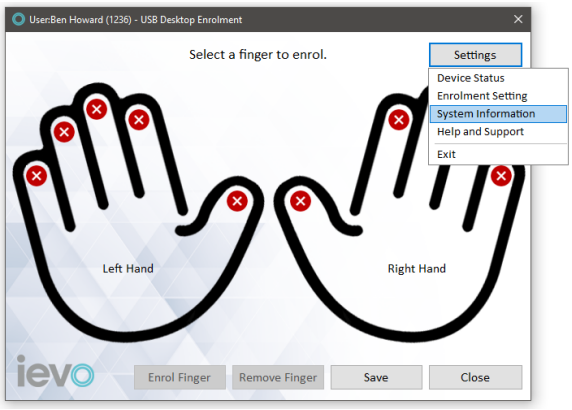
If an Interface Board is offline, no information will be returned, and it will be marked in red.

Retrieving a Client Machine's Hardware ID

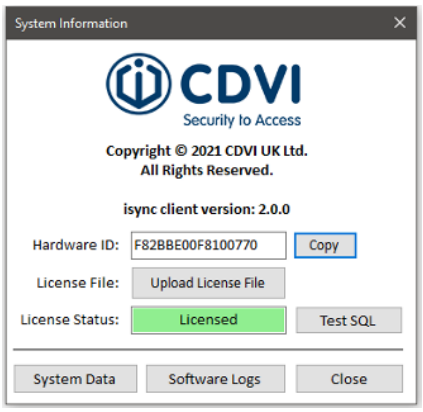
The machine's hardware ID is a unique number generated by data from the machine's HDD and CPU which produce a string of numbers that we refer to as the 'Hardware ID'.

This hardware ID is used when generating certain software licenses required for certain integrations and features. If you are asked to provide the machine's hardware ID and then upload a license file, then please follow the below segments.

1. Within the fingerprint window, click *'Settings'*, then click *'System Information'*.

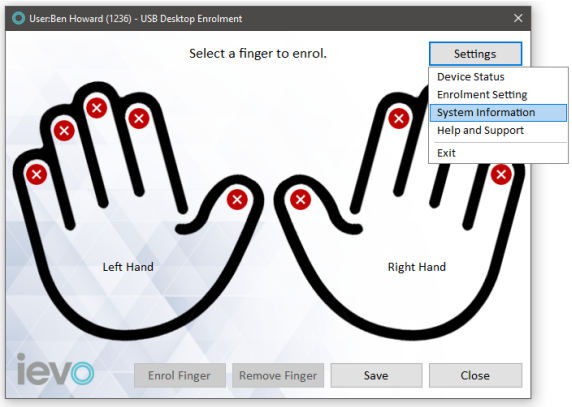


2. The machine's hardware ID is visible within the *'Hardware ID'* field. To copy this, click *'Copy'*.

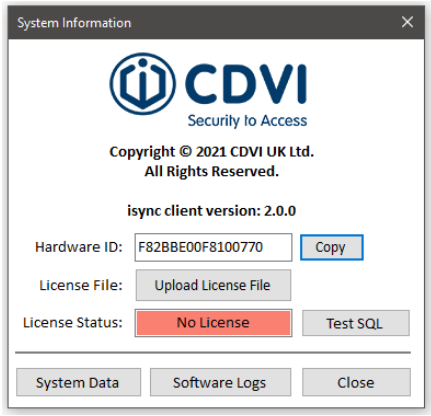


Upload License File

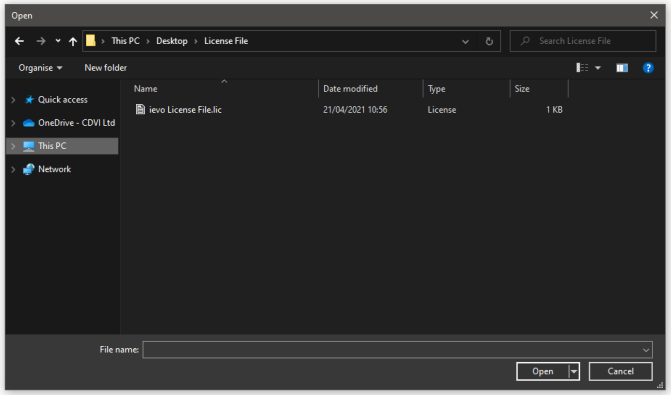
1. Within the fingerprint window, click *'Settings'*, then click *'System Information'*.



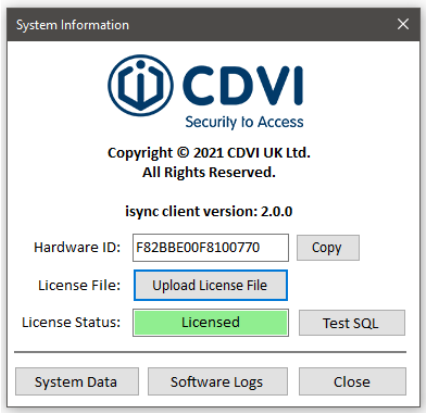
2. Click on *'Upload License File'*.



3. Navigate to the file where you have saved the *'ievo license'* file provided to you by our support team and then click *'Open'*.

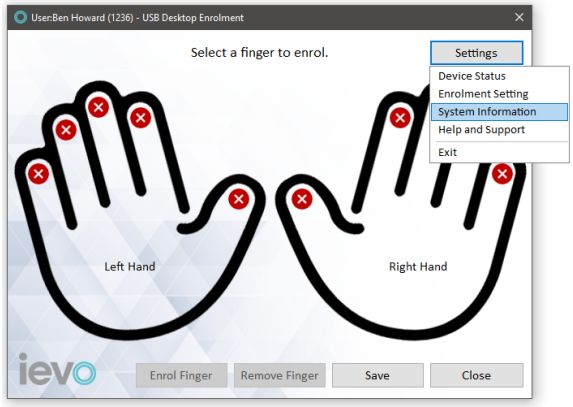


4. The license will now activate and the 'License Status' should change from *'No License'* to *'Licensed'*.

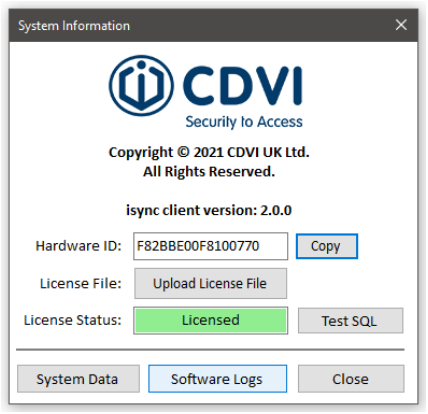


Software Logs

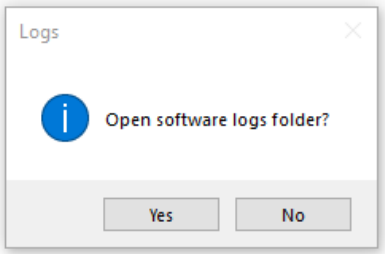
1. Within the fingerprint window, click *'Settings'*, then click *'System Information'*.



2. Click on *'Software Logs'*.



3. Click *'Yes'* if you wish to access the logs folder now. Alternatively, these can be accessed at a later date by navigating to *C:\ievo\Logs.*



12] USING IEVO READERS

Fingerprint

1. Slide your finger onto the sensor; this motion will trigger the proximity sensor inside the reader that will in turn trigger the sensor.

2. If the finger is recognised, then the halo LED will turn green, and you will be granted access from your Access Control system.

If unrecognised, then the halo LED will turn red and access from your Access Control system will not be granted.

Card Pass Through

1. Hold the card up to the halo LED at the top of the ievo reader until the reader beeps and the halo LED flashes blue.

2. If the card is recognised then you will be granted access from your Access Control system, if unrecognised, then access from your Access Control system will not be granted.

Please note, the halo LED of the reader will not change to red or green when using card pass through.

Using Template on Card

1. Hold the card up to the halo LED at the top of the ievo reader until the reader beeps. After the reader beeps, the sensor will illuminate.

2. Place your registered finger onto the sensor.

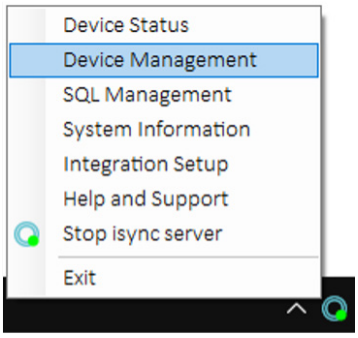
3. If the finger matches the template stored on the card, then the halo LED will turn green, and you will be granted access from your Access Control system.

If unrecognised, then the halo LED will turn red and access from your Access Control system will not be granted.

3] USING IFACE FACIAL RECOGNITION TERMINAL

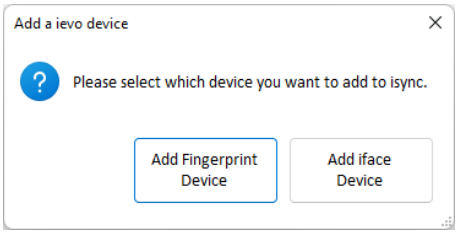
Adding a new iface unit

1. Click on the isync halo within the system tray and select *'Device Management'.*



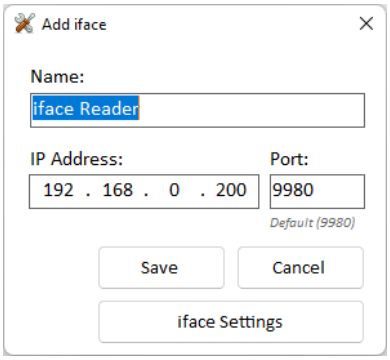
2. Click *'Add Device'.*

3. Click *'Add iface Device'.*

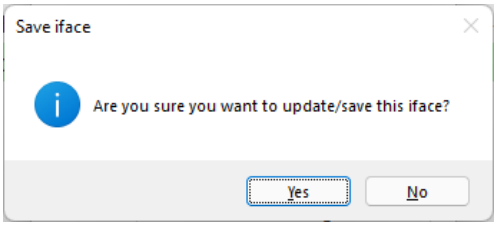


4. You can now enter the iface unit IP Address.

We recommend that you change the "Device Name" to match the location. Once the necessary changes are completed, click *'Save'.*



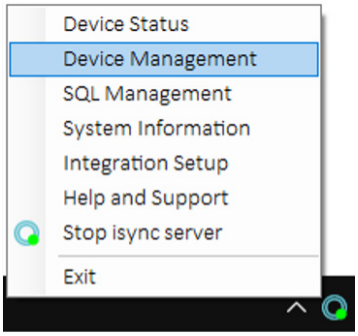
5. Click *'Yes'.*



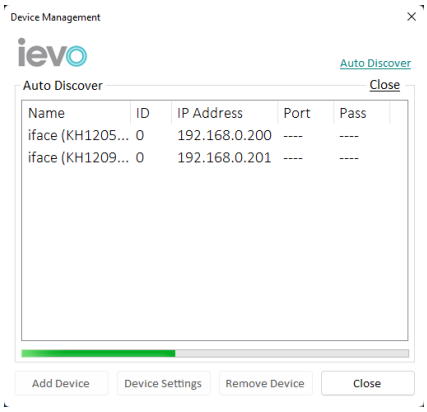
6. The iface device will now show on the isync device list.

Auto Discovery

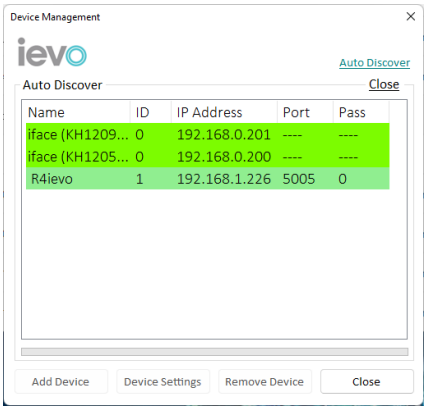
1. Click on the isync halo within the system tray and select *'Device Management'.*



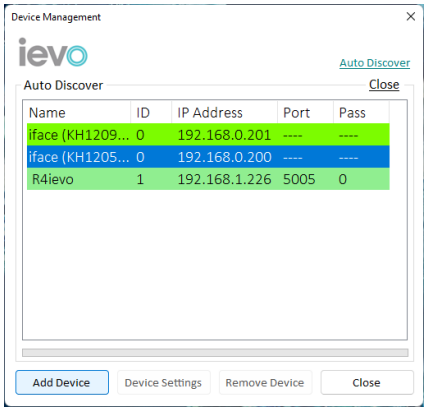
2. Click *'Auto Discover'.* This wil send UDP packets across the network to find ievo iface terminals.



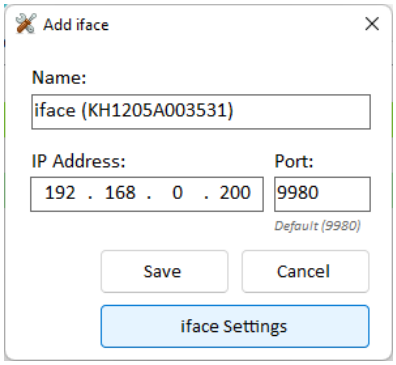
3. If any devices were found, they will now be displayed. Devices in white are already added to isync. Devices in green are new and can now be added to isync.



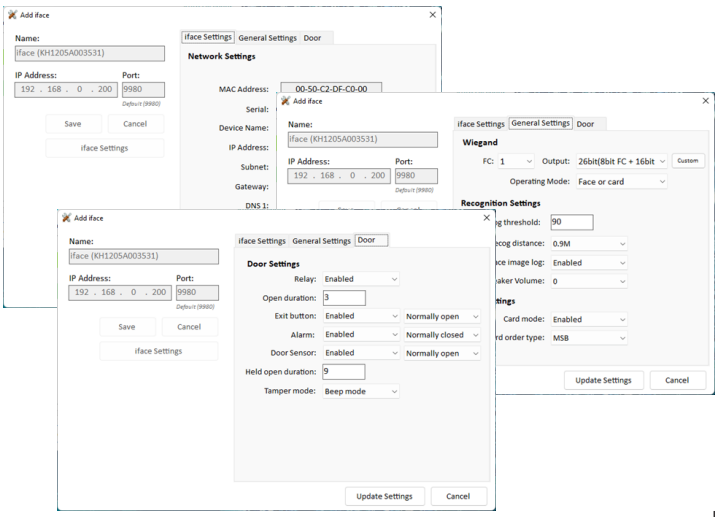
4. Highlight the iface unit you want to add and click *'Add Device'.*



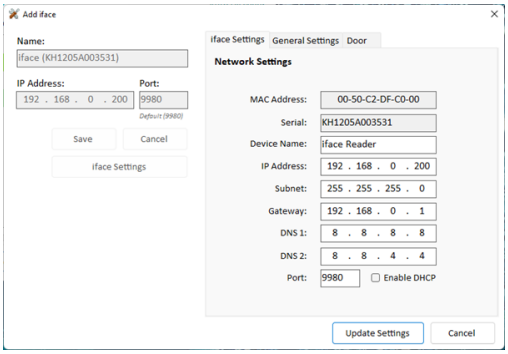
5. You can check the device's settings by clicking *'iface Settings'*.



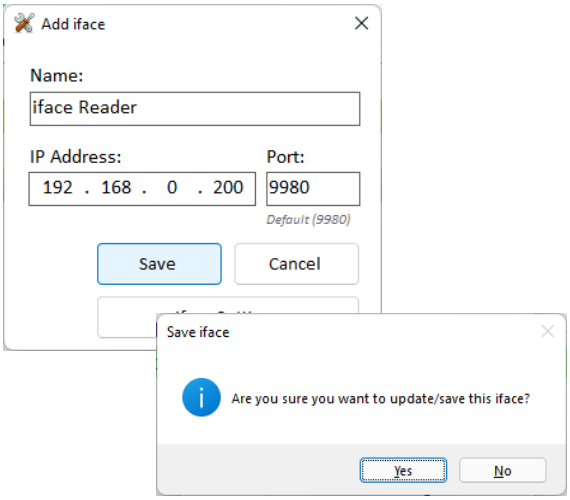
6. You can update the *'iface Settings', 'General Settings'* and *'Door Settings'* where necessary.



7. Once completed, click 'Update Settings' to save the changes of the device.



8. Click *'Save'* then *'Yes'* to save the device into the isync database.

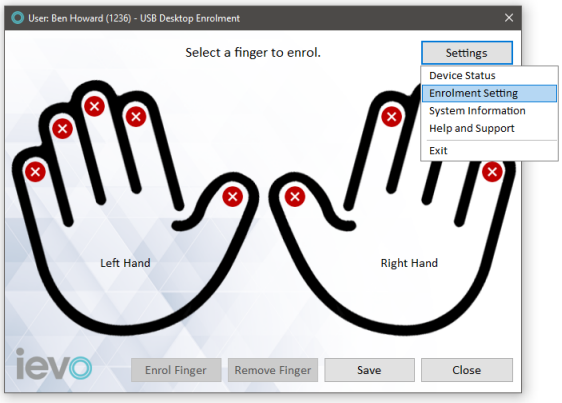


9. The new iface unit is now visible in the Device Management list.

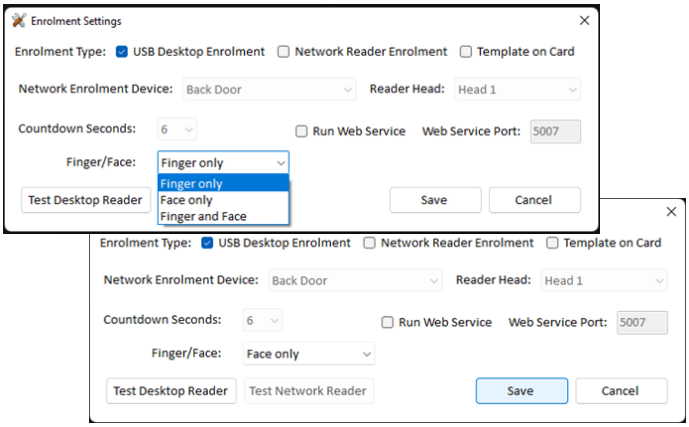
Enabling Face Enrolment

Before enrolling, you have to select whether isync will be enrolling fingerprints (using ievo fingerprint readers) or faces (using ievo iface).

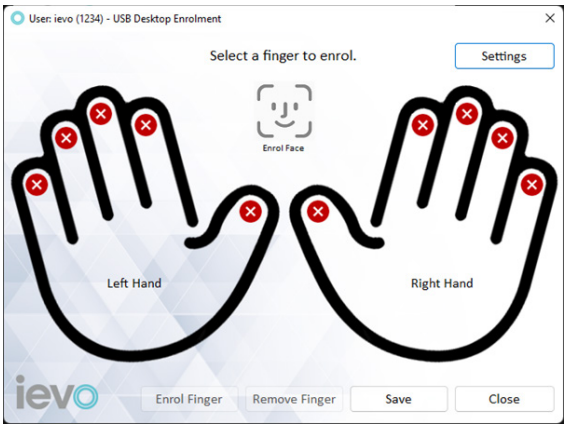
1. Within the fingerprint window, click *'Settings'*, then click *'Enrolment Settings'.*



2. Select *'Face only'* in the *'Finger/Face'* drop-down menu, then click *'Save'*. These settings will now apply to future enrolments.

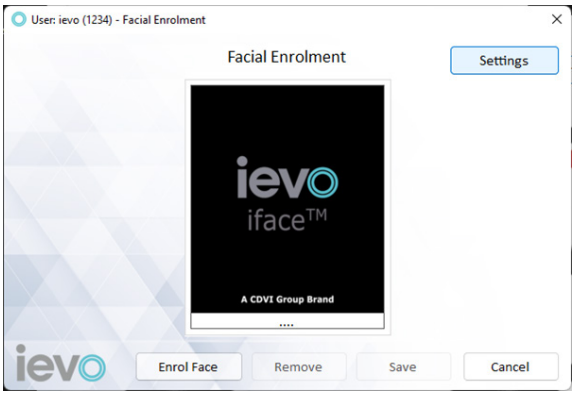


3. *'Enrol face'* will now show on the main screen.

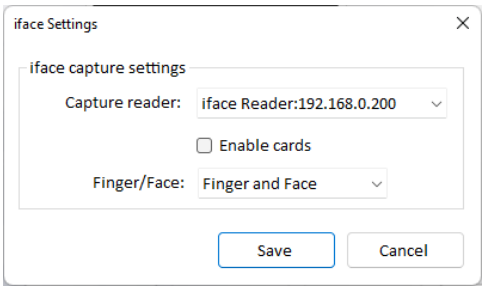


Selecting iface Enrolment Device

1. Click *'Settings'.*

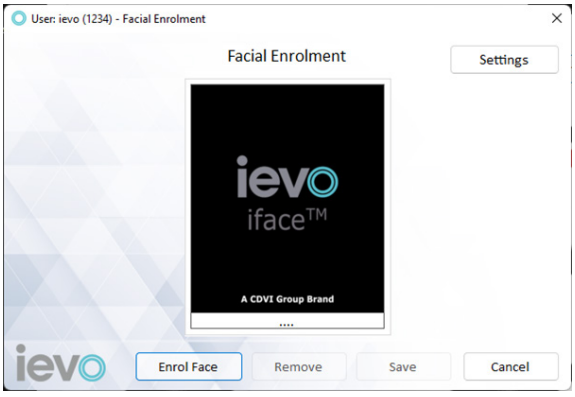


2. Select the iface unit you want to use for enrolment from the *'Capture reader'* drop down menu. Click *'Save'* to finish.

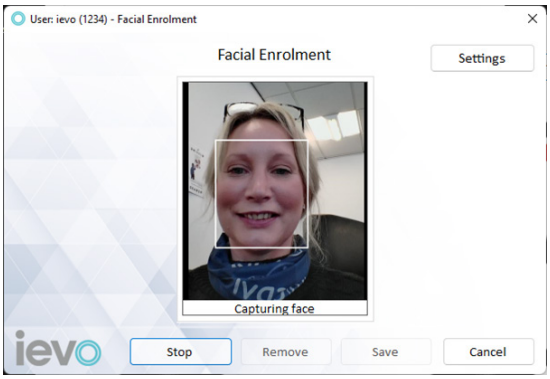


Registering Face

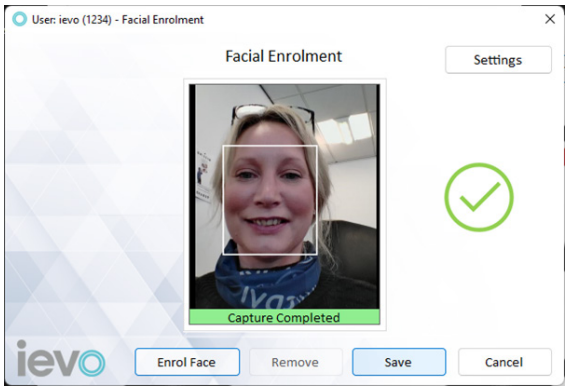
1. Click *'Enrol Face'.*



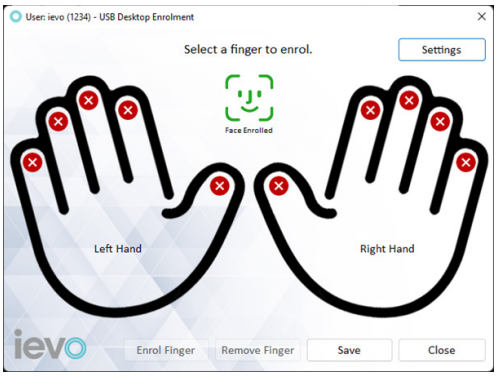
2. The enrolment reader will start to capture a face. It can take up to 5 seconds to complete the process.



3. Once the capture is completed, click *'Save'* to keep the enrolment or click *'Enrol Face'* to retake the capture.



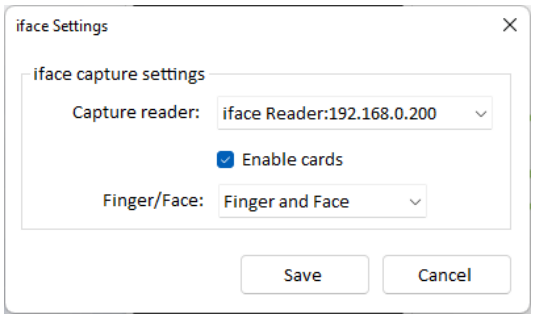
4. When you are in 'Finger and Face' enrolment mode, a green face icon shows if the user has a registered face. When using 'Face Only' mode, only a green tick will indicate this.



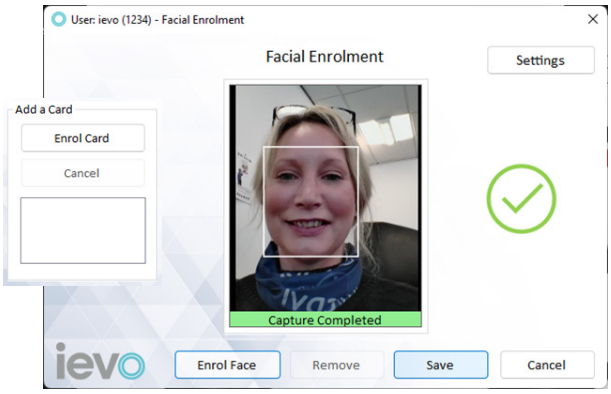
Enrolling a Card for Card Access

You can enrol a card using isync once you have finished enrolling an user on iface.

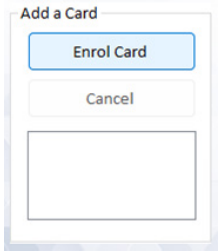
1. First, make sure *'Enable Cards'* is checked.

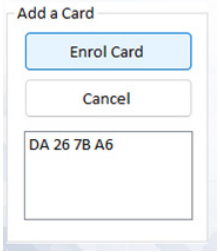


2. Once the face is captured during the enrolment process, you can enrol a card. Click *'Enrol Card'*.



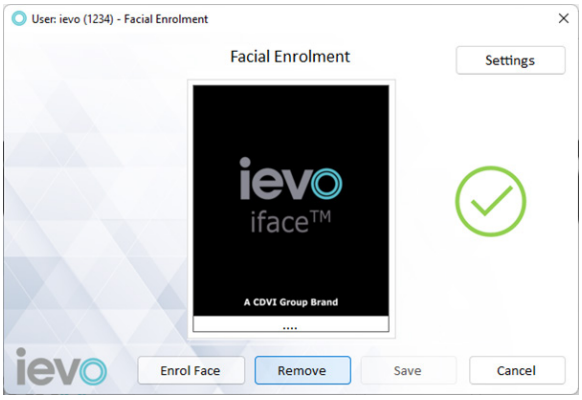
3. Present a card to the enrolment device. Once the card is read, you can complete the enrolment process by clicking *'Save'*.



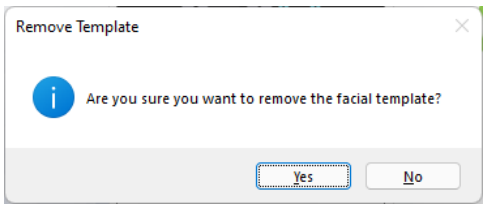


Deleting a User

1. Click *'Remove'* to delete a user's enrolled face.



2. Click *'Yes'*.



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