



Feature Description Document

Configuring IXM Link for Keep by Feenics



Purpose

This document outlines the process of configuring IXM Link to sync users between Keep by Feenics and IXM WEB.

Applies to

TITAN	TFACE	TOUCH 2	SENSE 2	MERGE 2	MYCRO
All Devices	All Devices	All Devices	All Devices	All Devices	All Devices

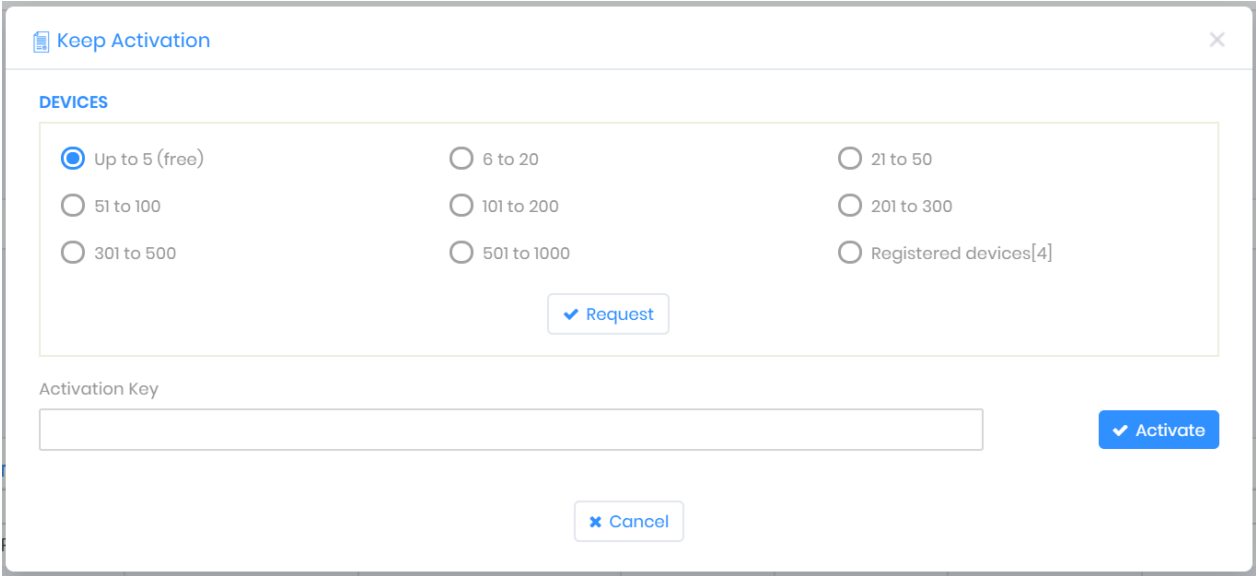
Description

IXM Link is a licensed module in IXM WEB that helps to synchronize the user database between IXM WEB (from where biometric enrollment for users is performed) and leading Access Control Panel Software (from where access rules for the users and the organization are managed).

This FDD will describe how to set up and configure IXM Link if you are using Keep by Feenics to keep IXM WEB users in sync with the Keep system by using its APIs to import and export users and their cards.

Requesting a License

1. From **Home** >> Expand the **Left Navigation Pane** >> Select the **License** tab >> Click on the **Keep (Feenics)** icon.



Keep Activation

DEVICES

Up to 5 (free) 6 to 20 21 to 50

51 to 100 101 to 200 201 to 300


301 to 500 501 to 1000 Registered devices[4]

Activation Key

2. Select the required license based on the number of devices and click **Request** to see the details and send them to Invidia support to request a license.




- 3. The details screen will vary based on whether [SMTP settings are configured](#) in IXM WEB:
 - a. If SMTP settings are not configured, a “Copy to Clipboard” icon will appear.

 Request ×

Date Requested	06/21/2022
Time	4:17 PM
License Request	1 Devices
Machine Key	
Module	Keep
Version	2.2.250.0

Send above details to support@invixium.com



Click to copy the details and paste them in an email to support@invixium.com to start the licensing process.



- b. When SMTP settings are configured, a “Send” button and a “Copy to Clipboard” button will appear.

Request ×

Date Requested	06/21/2022
Time	4:17 PM
License Request	1 Devices
Machine Key	
Module	Keep
Version	2.2.250.0

Send above details to support@invixium.com

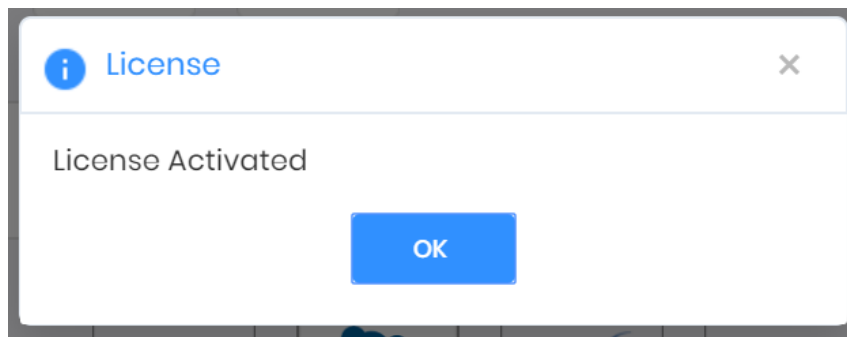
Click **Send** to directly email the details displayed to Invixium support to start the licensing process.



- Once you receive the license key from Invixium, go back to the same page where you requested the license and input the license key in the Key field as shown below.

A screenshot of a 'Keep Activation' dialog box. The title bar says 'Keep Activation' with a close button. Below the title bar is a section labeled 'DEVICES' containing a grid of radio button options: 'Up to 5 (free)' (selected), '6 to 20', '21 to 50', '51 to 100', '101 to 200', '201 to 300', '301 to 500', '501 to 1000', and 'Registered devices[4]'. A 'Request' button is located below the grid. Below the 'DEVICES' section is an 'Activation Key' label and a text input field containing a blacked-out key. To the right of the input field is an 'Activate' button. At the bottom center is a 'Cancel' button.

- Click **Activate** to apply for a license.





Configuring Wiegand to Output Feenics

1. Register all IXM devices.
2. From **Home** >> Click the **Devices** tab on the top.
3. Select any device.
4. Navigate to the **Access Control** tab for the selected device >> Click on **Wiegand**.

Wiegand Output [Toggle] ^

Wiegand	ID Type User ID	Duress None	
Identification	Success None	Fail None	
Verification	Success None	Fail None	
Anti-Shock	Format None	ID Value Device Serial Nu.	
Heart Beat	Format None	ID Value Device ID	Interval (sec) 60
User not found	Format None		

Pulse (μ sec)

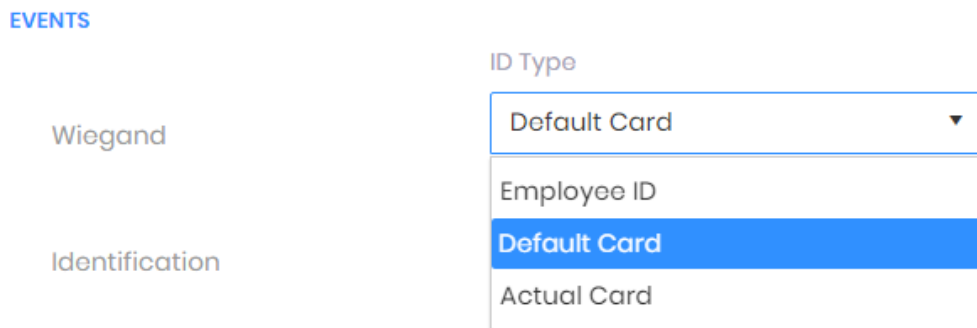
Width 40	Interval 2000
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Apply Reset

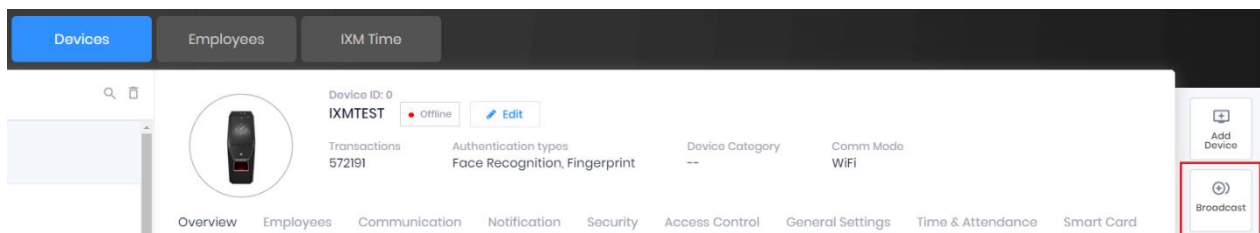


- Toggle the switch on the right to enable Wiegand Output for the device.
- Set ID Type of output Wiegand to Employee ID/Default/Actual Card as displayed:

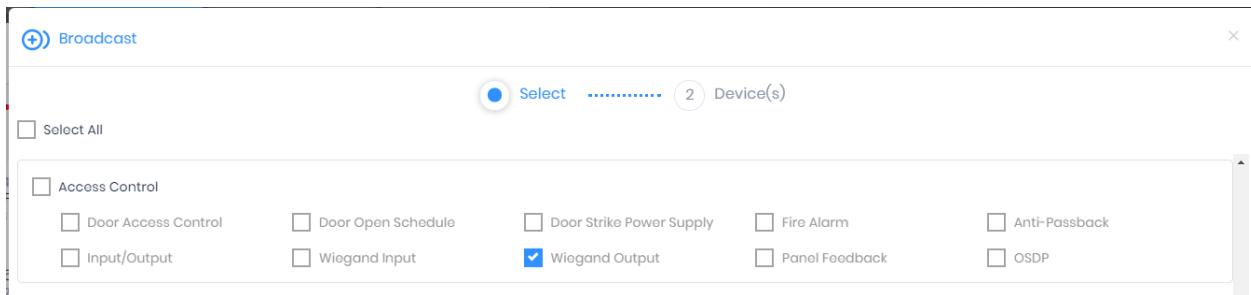
Note: Invixium devices can have up to 512-bits customizable Wiegand format. The default output is Standard 26-bit. To change the output to a different Wiegand format, refer to the [Configuring Wiegand document](#).



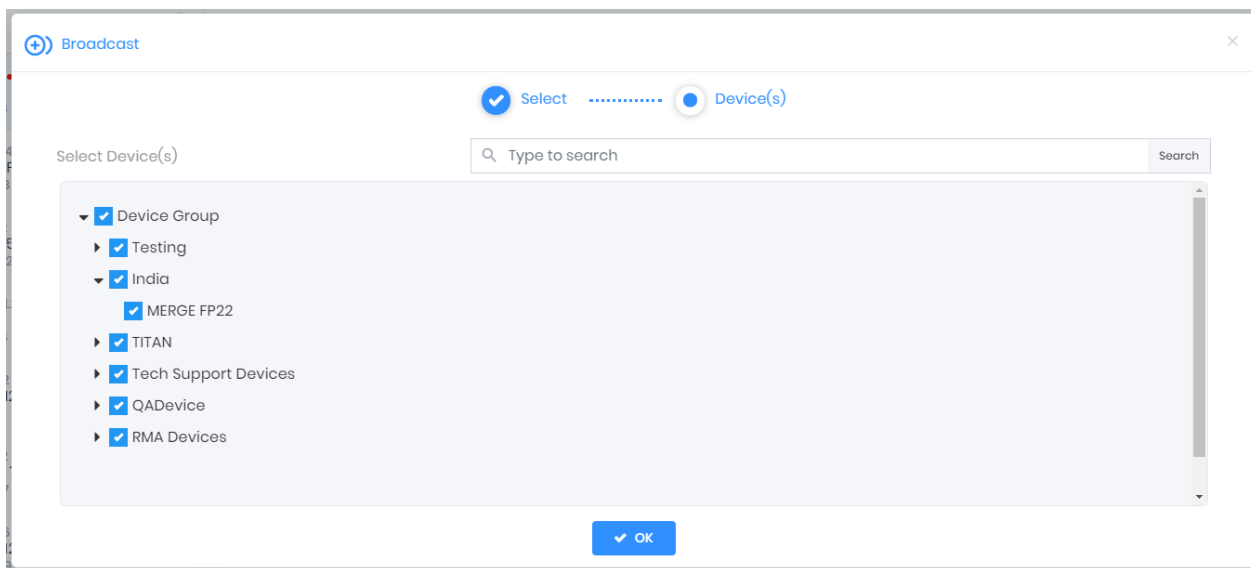
- Click **Apply**.
- This will update the Wiegand Output settings of the device selected in step 3.
- If you have more devices, then follow the next steps to copy all Wiegand settings to all devices simultaneously. *Note: This copies all Wiegand output settings.*
- From **Home** >> Click the **Devices** tab on the top >> Select the device in step 3 >> Click on **Broadcast** on the right.



- Select Wiegand Output as the setting that needs to be broadcasted to other devices as shown below.



12. Click **Broadcast** and select the rest of the devices to which the setting needs to be copied as displayed. Click **OK** to copy all Wiegand output settings of the source device to all destination devices at once.





Field Mappings

The following are the Keep (Feenics) fields mapped with IXM WEB.

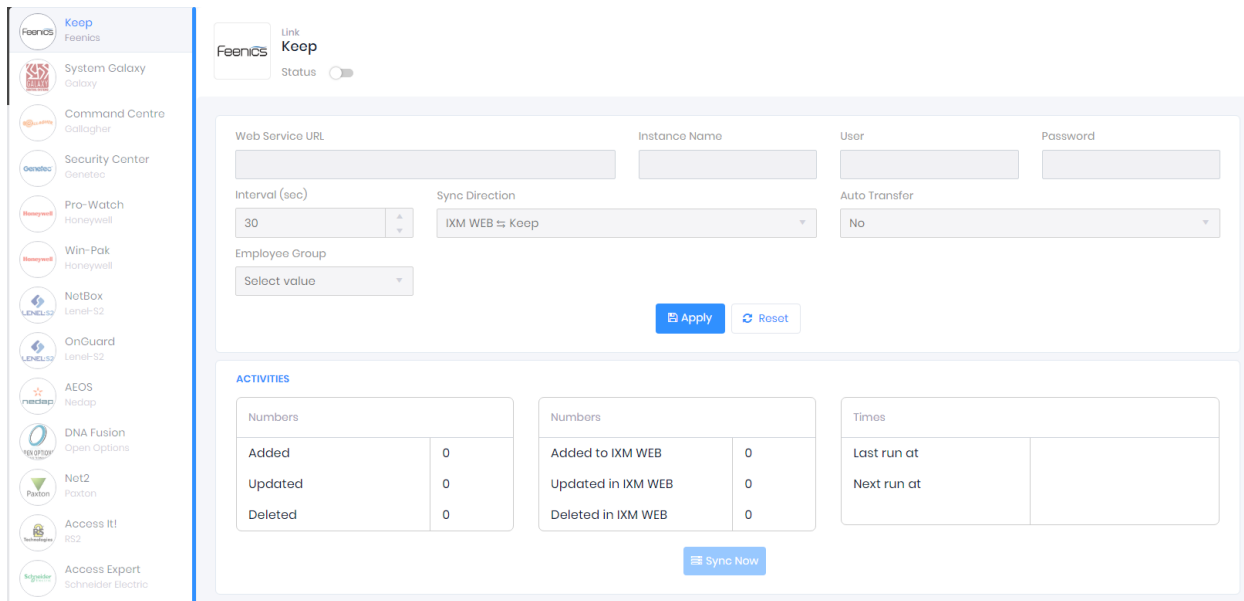
IXM LINK will only import or consider fields from Keep by Feenics that either have an exact counterpart in IXM WEB or have some bearing on imported data.

Keep (Feenics) Field	IXM Field	Notes
First name	First Name	
Last Name	Last Name	
Display Card Number (of card assigned)	Prox ID/Smart Card ID	A card in Keep is mapped to both Prox ID and Smart Card ID in IXM WEB. Prox ID is populated with the decimal representation of Display Card Number imported from Keep and Smart Card ID is populated with hexadecimal representation of card imported from Keep. While exporting, Prox ID is given preference when available otherwise Smart Card ID is converted to its decimal representation and set in Display Card Number.
PIN (of card assigned)	PIN	
Anti Passback Exempt (of card assigned)	Anti-Passback	

Active On (of card assigned)	Start Date	<p>Keep (Feenics) assigns 01/01/0001 when Active On is left blank which is not a valid value in IXM WEB hence LINK replaces it with 01/01/1753.</p> <p>When Start Date is left blank in IXM WEB, it's replaced with the date that the user was added to Keep while exporting the user for the first time. It's not assigned during the following updates which causes Keep (Feenics) to keep assigning 01/01/0001.</p>
Expires On (of card assigned)	End Date	<p>Keep (Feenics) assigns 01/01/0001 when Expires On is left blank which is not a valid value in IXM WEB hence LINK replaces it with 01/01/1753.</p> <p>When End Date is left blank in IXM WEB, it's replaced with the time when the user was added to Keep while exporting the user for the first time. It's not assigned during the following updates which causes Keep (Feenics) to keep assigning 01/01/0001.</p>

Configuring LINK for Feenics

1. From **Home** >> Expand the **Left Navigation Pane** >> Select the **IXM Link** tab >> Click the **Keep (Feenics)** icon. By default, the Keep configuration is turned OFF.



The screenshot displays the 'Feenics Keep' configuration page. On the left is a navigation pane with icons for various systems like System Galaxy, Command Centre, Security Center, etc. The main content area has a 'Feenics Keep' header with a status toggle switch. Below this are several configuration fields: 'Web Service URL', 'Instance Name', 'User', and 'Password' (all text inputs); 'Interval (sec)' (a numeric input set to 30); 'Sync Direction' (a dropdown menu set to 'IXM WEB ⇌ Keep'); 'Auto Transfer' (a dropdown menu set to 'No'); and 'Employee Group' (a dropdown menu set to 'Select value'). There are 'Apply' and 'Reset' buttons. Below the configuration fields is an 'ACTIVITIES' section containing three tables with sync statistics and a 'Sync Now' button.

2. Enable editing configuration by toggling the status switch next to the logo to **ON**. Data is not synced when the configuration is applied with this switch in the OFF position.



3. Provide values for the Web Service URL, Instance Name, User, Password, Interval, Sync Direction, Auto Transfer option, and Sync Card Number fields. Each configuration setting is explained below:

Web Service URL: Feenics API URL.

Instance Name: Feenics Instance Name.

User: Name to log in to Keep by Feenics.

Password: Password to log in to Keep by Feenics.

Interval: Latency acceptable between data transfers.

Sync Direction:

- Sync data from Keep to IXM WEB.
- Sync data from IXM WEB to Keep.
- Sync data both ways. LINK will update IXM WEB first and then Keep.

Auto Transfer:

- No: Employees synchronized from Keep will not be automatically added to any of the employee groups present in IXM WEB.
- Yes: By selecting 'Yes' for Auto Transfer, the employee group selection dropdown enables which displays all the employee groups present in IXM WEB. All the employees synchronized from Keep will be automatically added to the employee group selected on the Link Configuration Page.

Employee Group: Selection of employee group needs to be done to use the Auto transfer functionality.



Feenics Link Keep
Status

Web Service URL:

Instance Name:

User:

Password:

Interval (sec):

Sync Direction:

Auto Transfer:

Employee Group:

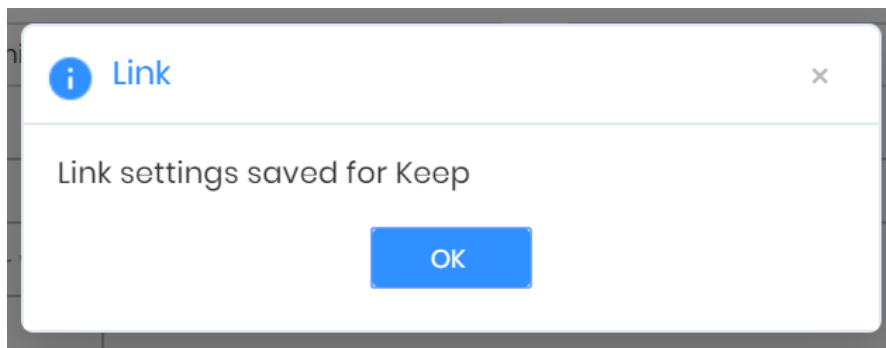
ACTIVITIES

Numbers	
Added	0
Updated	0
Deleted	0

Numbers	
Added to IXM WEB	0
Updated in IXM WEB	0
Deleted in IXM WEB	0

Times	
Last run at	
Next run at	

4. Click **Apply** to save the settings.





- When synchronization happens at the specified intervals and the users are added or updated, the numbers will change accordingly.
- For immediate syncing instead of at the specified automatic intervals click the “Sync Now” button which runs immediate sync
- Click **Apply** to save the changes.

ACTIVITIES

Numbers	
Added	0
Updated	0
Deleted	0

Numbers	
Added to IXM WEB	1
Updated in IXM WEB	0
Deleted in IXM WEB	0

Times	
Last run at	7 Feb, 2020 4:30 PM
Next run at	7 Feb, 2020 4:36 PM

[Sync Now](#)

- Here you can see data pertaining to license usage with last and next run times.
- Clicking **Sync Now** immediately syncs pending data. This is useful when you don't want to wait until the next scheduled run which is shown in Next Run At.
- When data is syncing at the given interval, the numbers in the Activity log will change accordingly.



Multiple Cards

Feenics can have multiple cards per user but IXM WEB supports only one card. Link selects the first available valid card.



Support

For more information relating to this Feature Description document, please contact us at support@invixium.com

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