



# FACTORY ASSOCIATION

## USER MANUAL



ANDROID APK

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## CHANGELOG

VERSION	DATE	AUTHOR(S)	DESCRIPTION OF MODIFICATIONS
1.7	19.07.2018	Dimiter Kyurkchiev	Initial Version
1.8	25.10.2018	Dimiter Kyurkchiev	Updated Application Changelog
1.9	02.01.2019	Konstantin Tsankov	Updated Documentation and Application Version
2.0	09.04.2019	Georgi Ginchev	Updated Documentation and Application Version
5.6	01.04.2021	Akash Panchal	Updated Documentation and Application Version

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## PURPOSE

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- Create new associations between coolers and smart devices.

## SCOPE

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- Useful for Factory associations.

## DEFINITION(S) AND ABBREVIATION(S)

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NAME	ABBREVIATION
BLE	Bluetooth Low Energy
FFA	Sollatek FFA Controller
FFX	Sollatek FFX Smart Device
JEA	Sollatek JEA Controller

## INTRODUCTION

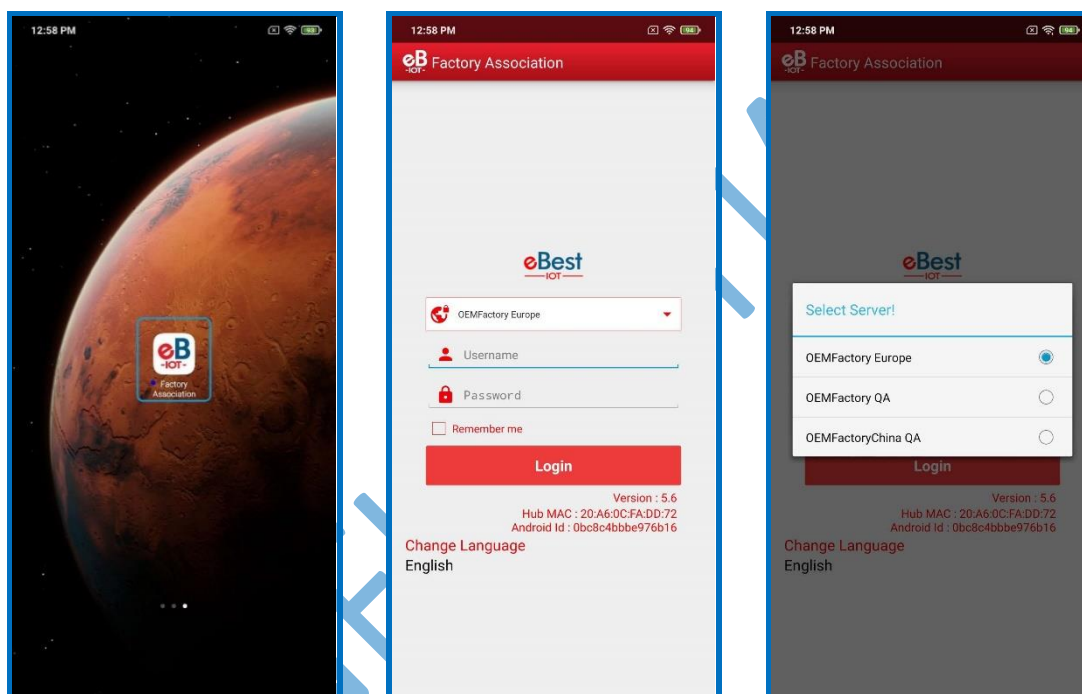
### Application will:

- Create new associations between smart devices and coolers.

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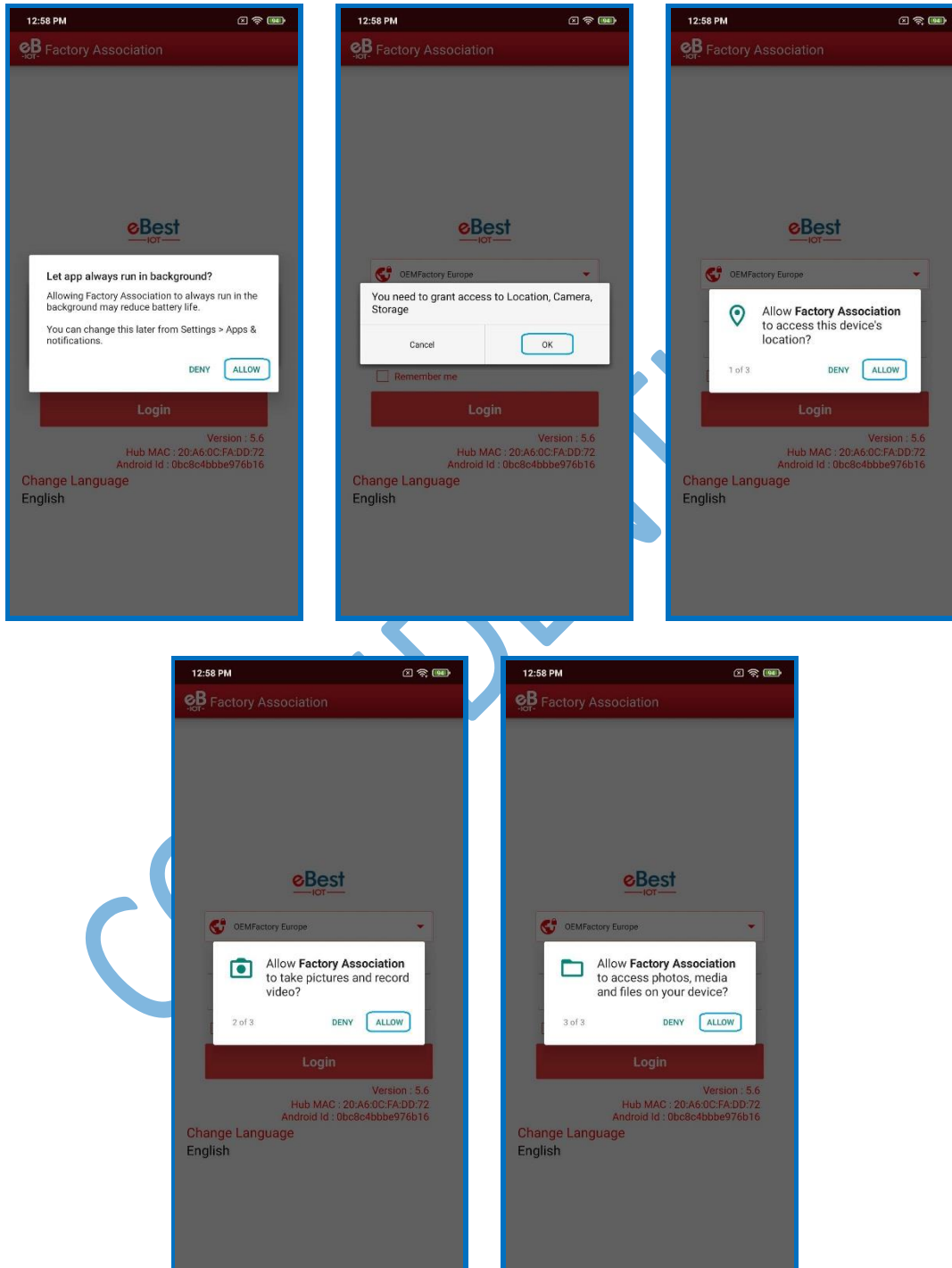
## INSTALLATION OF FACTORY PHONE APPLICATION (VERSION 5.X)

1. Install APK received from a link in android phone.  
<https://apps.ebest-iot.com/oemfactory/>
2. Click on the **FACTORY ASSOCIATION** application icon. It will launch the application.  
**Note:** Before the launching of the Application, please ensure that Bluetooth & Internet are enabled.



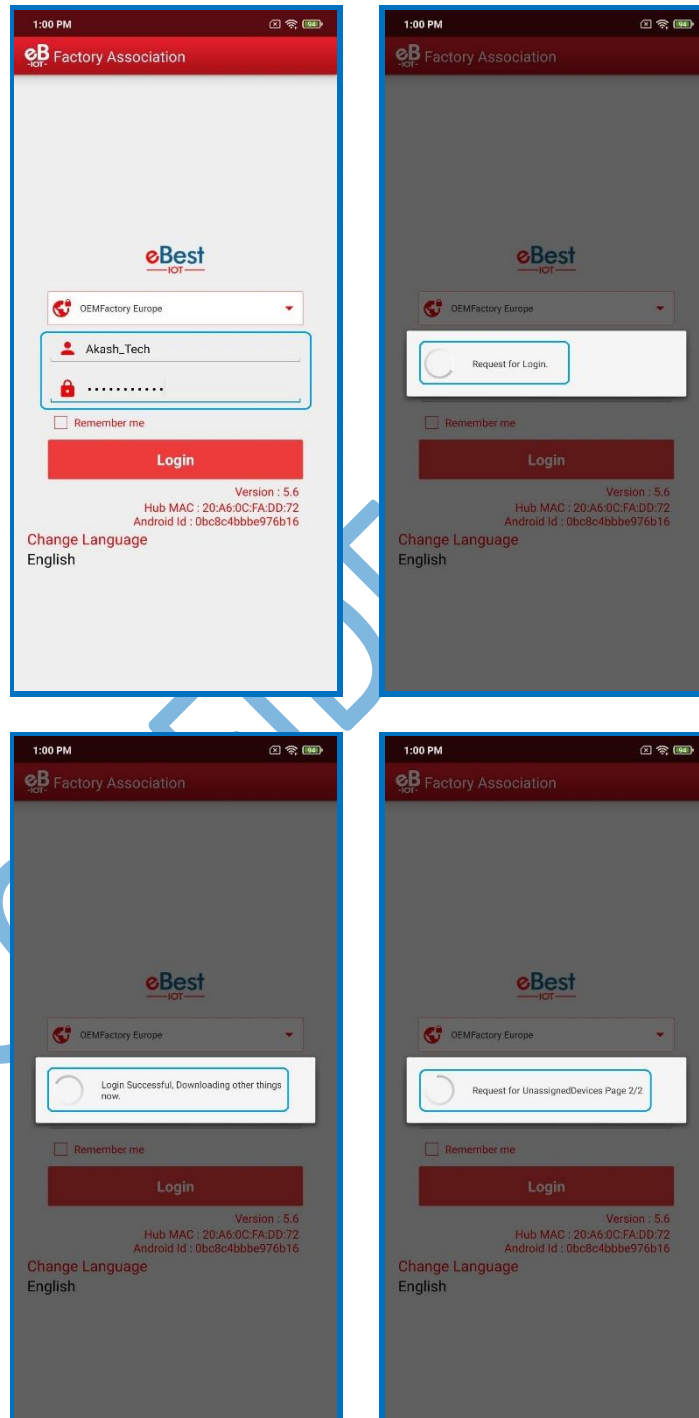
- Default **OEM Factory Europe** Server shows, depending on the Client and Factory user should choose a different option,
  - For CCH and CCEP the user can use the **OEM Factory Europe** server.
- If a user is logging for a first-time Username (User ID) and Password should be entered, and Language should be chosen. The username and password are case-sensitive. Also, users can remember that username and password by **Remember Me** Option.
- To change the language, tap on **Change Language** and use can choose the language. Currently, there is English, Bulgarian, Romanian, Chinese, and Russian language support available.
- Depending on the Android Version user may get several different prompts to confirm access to the camera, Bluetooth (location services), Storage, etc.

- The user should Allow all requested for the application to work properly.
- If the user gets a prompt asking to **Ignore Battery Optimizations** confirm with **YES**.



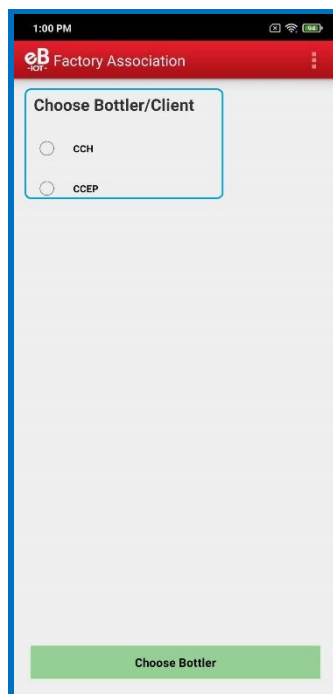
- Provide valid credentials and tap on the Login button, please be advised that the application will need some time to download data from the cloud.

**Note:** Internet connectivity is required during login otherwise login will fail and the application will not work

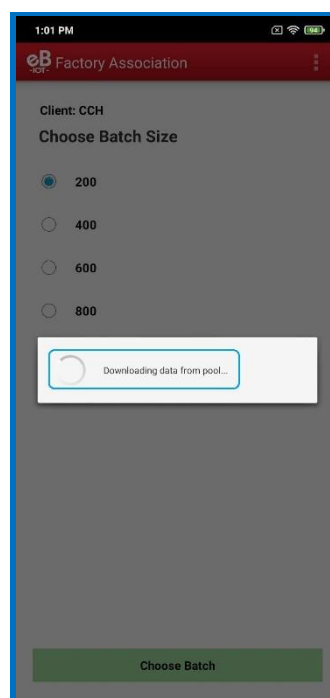
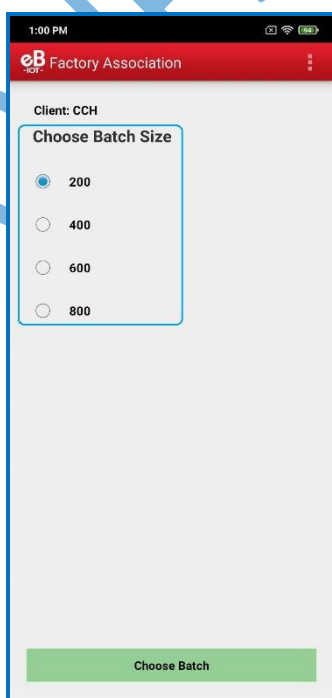




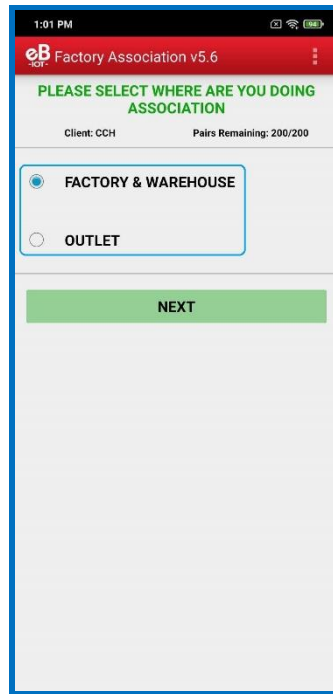
3. After done successful login, the following screen will be shown. Please choose the **Client/Bottler** from the List.



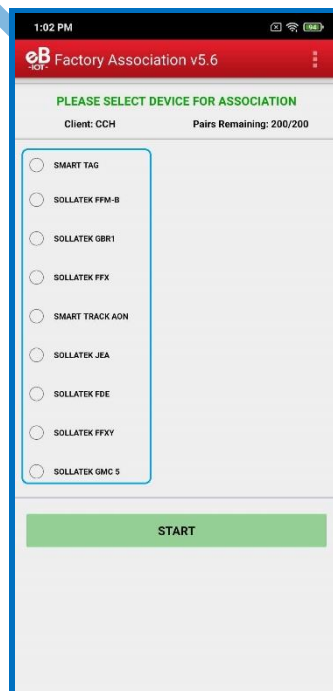
4. After Client selection is done user has to choose the Pool **Batch size** to start the particular client's devices association.



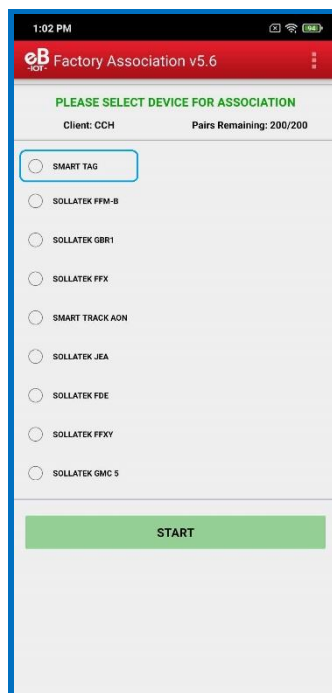
5. Users have to choose where they are doing the smart device association, **Factory & Warehouse**, or **Outlet** Place.



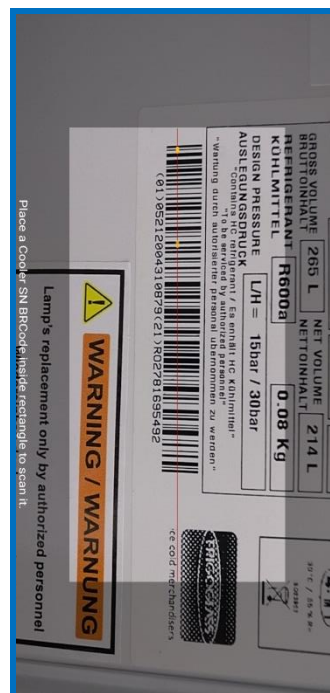
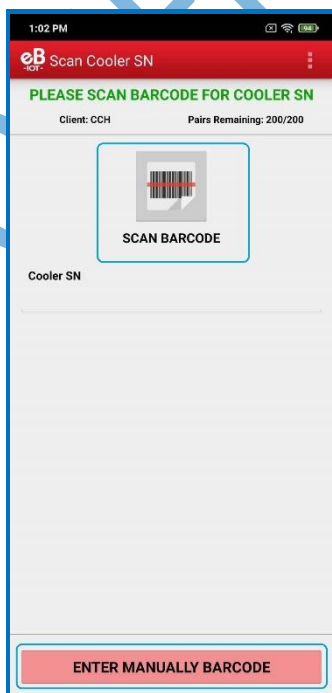
6. Select the **Smart Device Type** for which the user needs to do association. Association supported smart device list showing in the display.



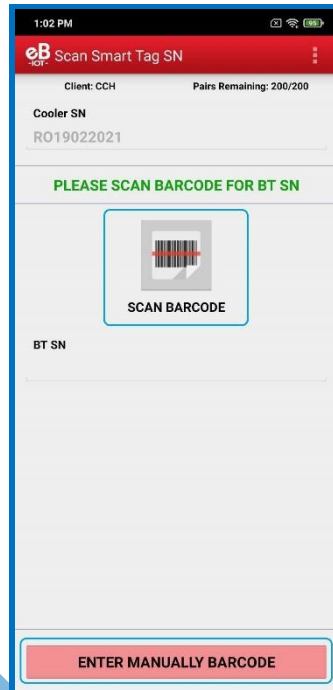
- Users have to choose here smart device type from the list for which users want to do association. If a SmartTag (V3 or V4) will be associated, please choose **SMART TAG** and click on the **START** button.



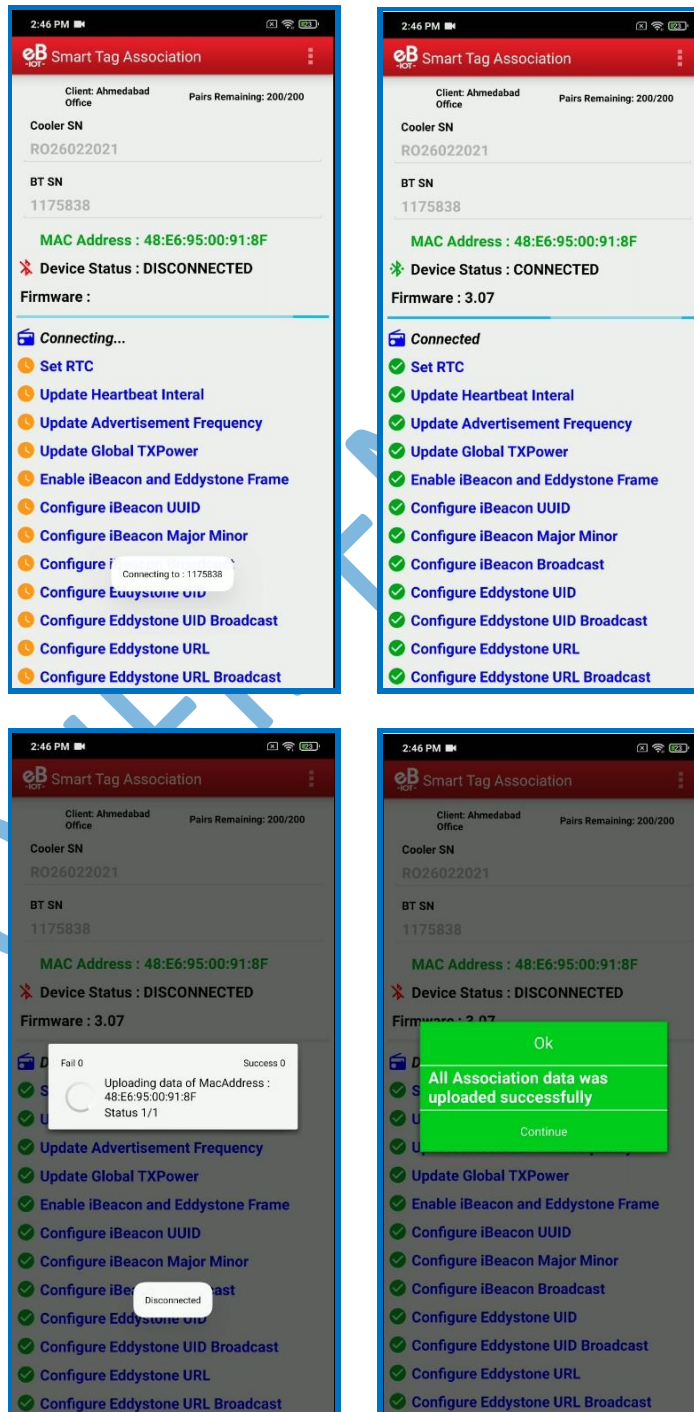
- Tap on **SCAN BARCODE** and scan the barcode of the cooler. Cooler Serial Number could also be entered manually by tapping on **ENTER MANUALLY BARCODE**.



9. After the barcode of the cooler is successfully scanned open and close the door of the cooler to wake up the SmartTag and tap again on **SCAN BARCODE** for Smart Device Serial and scan the barcode of the SmartTag. Smart Device Serial Number could also be entered manually by tapping on **ENTER MANUALLY BARCODE**.

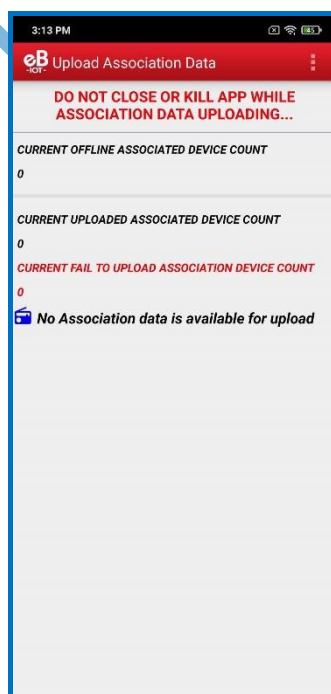
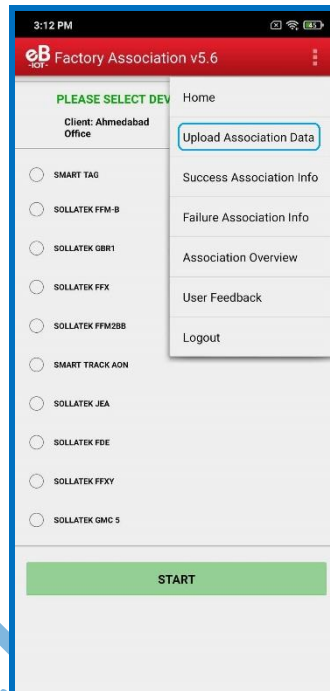


10. After the SmartTag Serial Number is successfully scanned the following screen will be shown. It will initialize the association process and respectively show the **SUCCESS** message. **If Scanning Timer reaches 30 seconds open and closes the door again, if this doesn't help check if the SmartTag and the Magnet are installed correctly.** The Cooler Serial Number and SmartTag Serial Number can be seen on the screen.

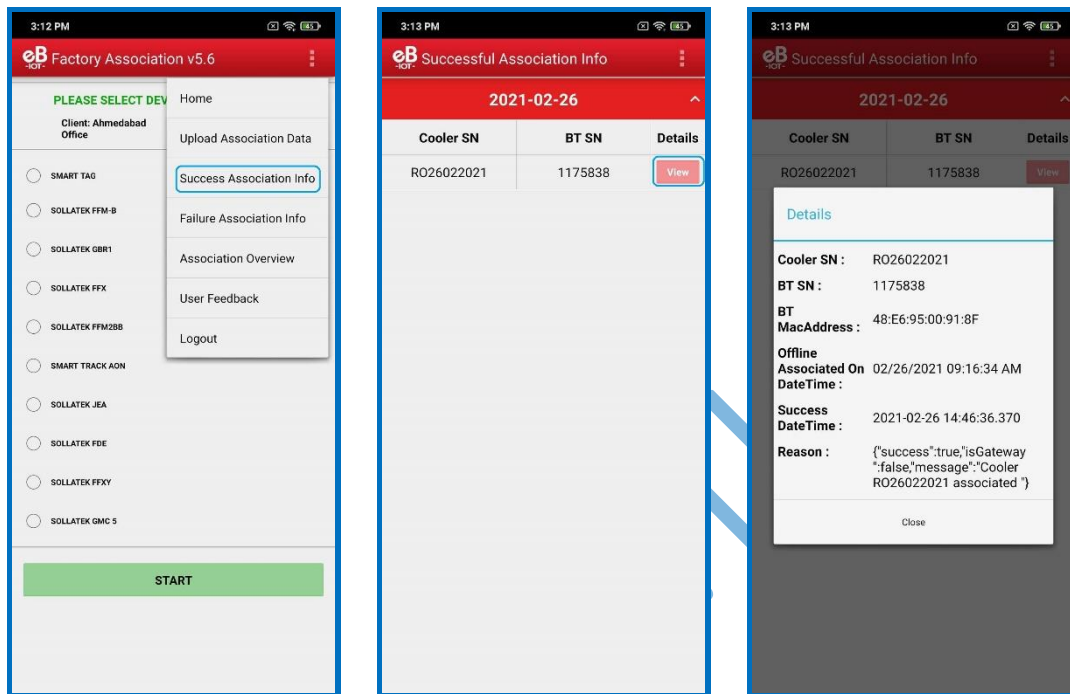


## LOGS

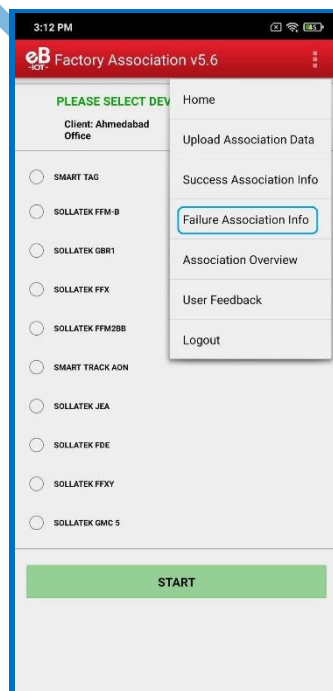
- 1. UPLOAD ASSOCIATION DATA** - To check if all the associated data is uploaded, tap on the hamburger menu in the upper right corner and then tap on **Upload Association Data**. Once data is uploaded a prompt saying all Association data uploaded was successful. If there is no data for upload a prompt saying that will be shown.



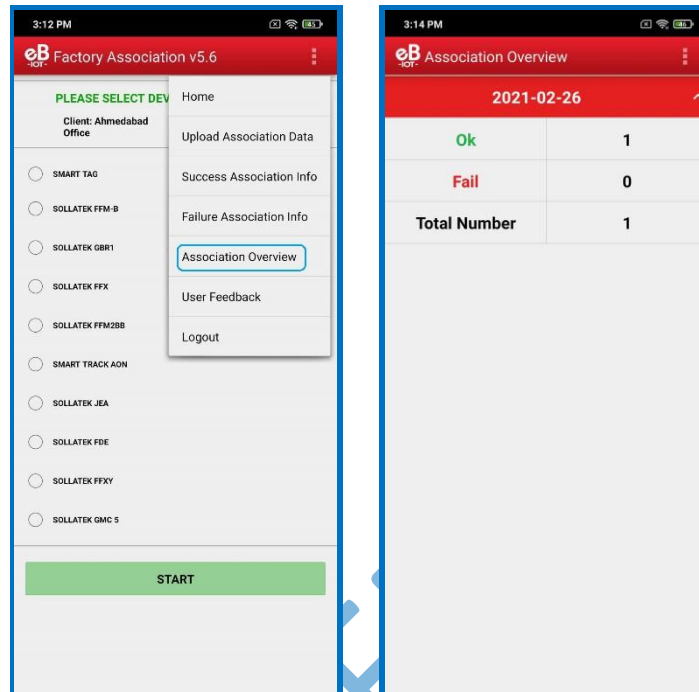
- SUCCESS ASSOCIATION INFO** - To check all Successful Associations Info, tap on the hamburger menu in the upper right corner and then tap on **Success Association Info** and view the button showing details of the association.



- FAILED ASSOCIATION INFO** - To check all Failed Associations Info, tap on the hamburger menu in the upper right corner and then tap on **Failure Association Info**.



4. **ASSOCIATION OVERVIEW** - To check the Associations Overview, tap on the hamburger menu in the upper right corner and then tap on **Association Overview**.



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## LIST OF ERRORS, ALERTS, AND OK MESSAGES

DETAILED MESSAGE	SHORT MESSAGE	USER STORY
No Association data is available for upload	OK	Shown when there is not data for upload.
All Association data was uploaded successfully	OK	Shown when all association data is uploaded.
There are no Failed Associations	OK	Shown on the Failure Association Info screen when there are no associations that have failed.
Smart Device <SD SN> is associated successfully to Cooler <Cooler SN>	OK	Shown after successful association.
You must upload Association data in order to logout	Alert 50	Shown when the user presses Logout but offline associated data is available.
Do you want to upload Association data to avoid missing data?	Alert 51	Shown on Device Selection screen when offline associated data available.
Please select what Smart Device you want to associate	Alert 52	Shown on Device Selection screen when the user does not select any device option for the association.
No associations were uploaded	Alert 53	Shown on Successful Association Info when no successful info is there.
Cooler Serial Number is not scanned	Alert 54	Shown on Cooler SN screen when user canceled the barcode reading.
Smart Device Serial Number is not scanned	Alert 55	Shown on Smart Device SN screen when user canceled the barcode reading.
You must upload Association data	Alert 56	Shown on Device selection screen when offline data is available.
The barcode scanner is not supported	Error 50	Shown on Scan Cooler SN and Scan Smart Device SN Screen if the mobile phone does not support the barcode scanner.
Smart Device is not available for association	Error 51	Shown on Scan Smart Device SN screen when smart device not found in Unassigned List.
Smart Device is already associated	Error 52	Shown on the Scan Smart Device SN screen if the Smart Device is already associated.
Smart Device Serial Number is not valid	Error 53	Shown on the Scan Smart Device SN screen if the Smart Device SN is not valid.
Cooler Serial Number was not scanned	Error 54	Shown on Scan Cooler SN when the user cancels the barcode scanning or any issue while barcode scanning arises.

Cooler has another device associated to it	<b>Error 55</b>	Shown on the Scan Cooler SN screen if the Cooler has a Smart Device already associated with it.
Please enter Cooler Serial Number	<b>Error 56</b>	Shown on the Scan Cooler SN screen when in Manual Mode for Cooler SN and the user presses the save button without entering the Cooler SN.
Please enter Smart Device Serial Number	<b>Error 57</b>	Shown on the Scan Smart Device SN screen when in Manual Mode for Smart Device SN and the user presses the save button without entering the Smart Device SN.
Smart Device Configuration failed, please try again	<b>Error 58</b>	Shown on the Association screen when a command fails.
Smart Device configuration file missing	<b>Error 59</b>	Shown on the Association screen when Configuration JSON missing for the Smart Device.
Not all Association data was uploaded successfully	<b>Error 60</b>	Shown when some association failed to be uploaded.
Smart Device not found, please try to wake up the Smart Device and try again	<b>Error 61</b>	Shown on the Association screen when the application is not able to connect to the Smart Device.
Session expired, please check your internet connection and login again	<b>Error 62</b>	Shown when User Session expired (Token expired) on the server.
Please check your internet connection and try again	<b>Error 63</b>	Shown when Wi-Fi and mobile data off and the user calls the API.
Cannot connect to the Smart Device, please change the Smart Device	<b>Error 64</b>	Shown on the Association screen when smart device connection is not working (when the device was found but did not connect to the phone after the 2nd retry).
Cannot connect to the server, please try again	<b>Error 65</b>	Shown on Login and Upload Association Data screen when API calling in between timeout happen or any server connection error.
Cooler Serial Number is not valid	<b>Error 66</b>	Shown on Cooler SN Screen when the cooler serial number is not valid.
Invalid response from the server	<b>Error 67</b>	Shown on Uploading association when the server gives the invalid response.
Device is not connected, please connect again	<b>Error 68</b>	Shown on the association screen when we are trying to execute the command and the device is not connected.
Device Configuration not available	<b>Error 69</b>	Shown when Smart Device Type Configuration is not found for the particular device.

## APPLICATION VERSION LOG

VERSION	DATE	CHANGES
5.6	18.01.2021	Remove Sollatek FFM2BB device type for CCH Client
5.5	15.12.2020	Add Sollatek FDEx2, Sollatek FFXy Support Batch Loading Issue Resolved
5.4	28.09.2020	Gateway HUB and Android id Details Added on Login Page Batch Loading Issue Resolved
5.3	24.09.2020	Setting Client based configuration
5.2	03.09.2020	Add Support Sollatek GMC5 "UID Namespace" Parameter Not Updated in 'Smart Tag LoRa' Device Resolved Scanning Not Stop Post association process
5.1	27.01.2020	Add support for UGUR Cooler Manufacturer Done Batch update process automatic Add support for Sollatek FDE, SmartTag4G_V3 Device in the Application The wrong password sent Issue resolved By Default Prod Server Should Be Selected in Application Username Stored by the app without Use "Remember Me" Function Not getting the Smart Device config for the SmartTag 4G Resolved Environment And health interval not set for FFX device Need to add a battery and main task interval during the association
5.0	10.07.2019	Now the app will download smart device config based on the selected client From device selection screen", press Back key it will come to the mobile's home screen cooler SR# take alphabet in RO, RU, IN, INIOT and Support UBC Barcode Choose Batch stuck sometimes Targeted only QA URL for QA Team and URL Change Resolved issue with whitelisted device not removed after logout and login Made some design changes Added auto logout after the batch status update Added support for Battery Mode Timeout for Sollatek JEA Add support of Sollatek JEA Association Issue in Frigoglass Application v4.6.5 for Sollatek FFM2BB Device
4.8	15.02.2019	Changed default Battery Mode Timeout value to 60 for Sollatek GBR1 device Bugfender SDK 11 Integration in Factory Association App Update barcode scanning implementation and library Application show popup after 1 min of scanning for device connection After that popup rotate phone screen and application retry to device connection without applying any input Health Interval not set as per set in device type configuration on cloud Change device name SMART TRACK AON instead of SMARTTRACK AON" Add Support of Smart Track AON Add Support MAC address starting with 48:E6:95 Add Support to set "Battery timeout Interval" during Association of Sollatek Devices"

4.6	25.09.2018	<p>Added support for SmartTag 4G V2, Sollatek FFM2BB, Sollatek FFX            ATOS Migration for dynamic URL            Changed Connection Timeout from 35K to 60K millisecond</p>
4.5	17.07.2018	<p>Now device scanning interval is 60 seconds            Error 58 show when device configuration failed            Added mac address specific scanning for above API level 21 and Service UUID            specific scanning for below API level 21            Resolved issue with deleting linked device in the unassigned table            Show DB Backup option for testing data saved from the cloud            Resolved Eddystone UID setting the wrong issue</p>
4.0	-	<p><b>Bug Fixes and UI Changes</b>            Resolved issue with Error 51 and after association scanning start issue            It should have the following things changed/added:            1. An Error 63 showing up when the upload of the association that was just made fails due to an internet issue            2. An Error 60 showing up when the upload of the association that was just made fails because the device or the cooler is already associated in the portal            3. Change the 2-minute timer to 60 secs            4. Change the number of retries from 4 to 2            5. After all this is confirmed to be working, name version 4.0            Crash resolved in Error 64 dialog            Offline association success message added            Resolve issue with Sollatek GBR1 Association            The update Message structure and scanning process            Resolved issue with Sollatek GBR1 device selection            Language Support Added            Resolved duplicate record insertion issue for Unassigned device table            Allow Cooler SN Max Length 18 and BT SN Max Length 8            Cooler SN Converted in Uppercase            Cooler SN and BT SN Validation Check            Show detail confirmation popup while the association            Don't Allow association for Cooler SN which already available in Offline Association and Not Uploaded on the server            Association On Date Time Showing Now            Table View Create and Unassigned Download Issue Resolved</p>
3.0	-	<p>Show Failure and Successful Associated Details            An issue with data on the portal for App Name            Barcode scanner open manually</p>
2.0	-	<p>Association time URL issue resolved            Whitelist download issue resolved</p>
1.0	-	<p>Basic version with Zxing barcode reader</p>

## MINIMUM REQUIREMENTS FOR THE PHONES

COMPONENT	MINIMUM REQUIRED
OPERATING SYSTEM	Android 6.0 (Marshmallow)
OPERATING MEMORY (RAM)	2 GB to 4 GB or more
FREE STORAGE	2 GB
CAMERA	At least 5.0 MP with Autofocus
PROCESSOR (CPU)	A quad-core processor or faster
BLUETOOTH	BLE 4.1 and above

## SUPPORTED PHONES

- Alcatel Pixi 4
- Asus Zenfone Go (ZB500KL)
- Asus Zenfone Max Pro M1
- Google Pixel 3a
- One plus 3T (A3003)
- Samsung Galaxy A10
- Samsung Galaxy S5
- Samsung Galaxy S7
- Samsung's Galaxy Xcover 4 SM-G390F
- Xiaomi Redmi 4
- Xiaomi Redmi 6 Pro
- Xiaomi Redmi Note 4