



FRIGOGLASS

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
5.2	01.04.2021	Akash Panchal	Updated Documentation and Application Version

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PURPOSE

- Create new associations between coolers and smart devices.

SCOPE

- Useful for Frigoglass associations.

DEFINITION(S) AND ABBREVIATION(S)

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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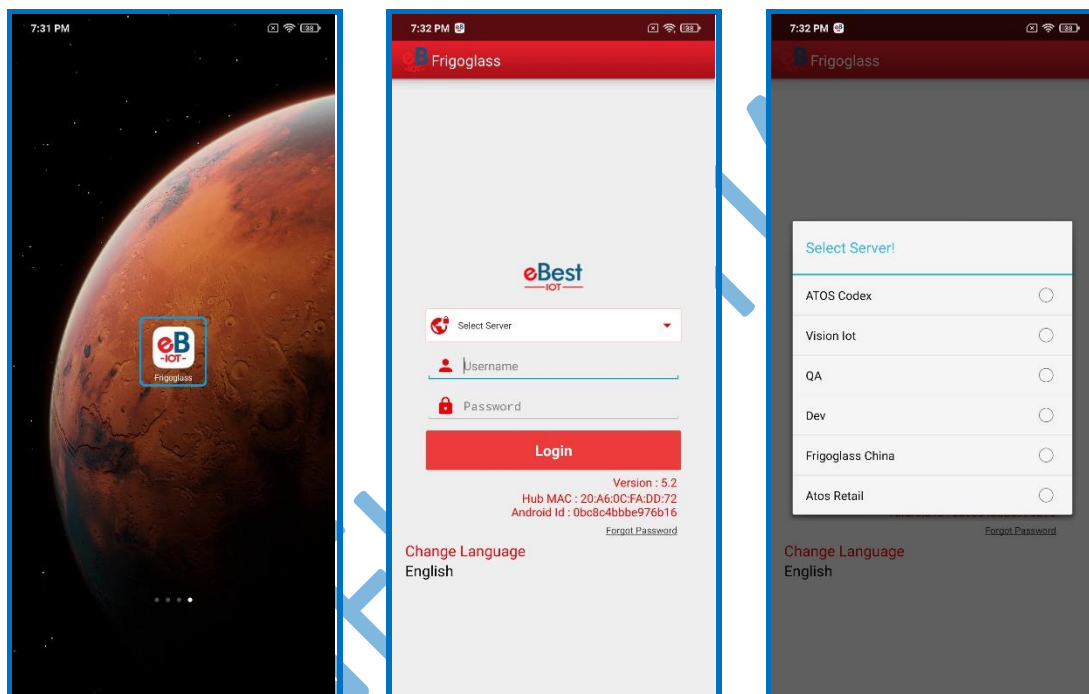
INSTALLATION OF FRIGOGLASS PHONE APPLICATION (VERSION 5.X)

1. Install APK received from a link in android phone.

<https://apps.ebest-iot.com/downloads/Android/Frigoglass/>

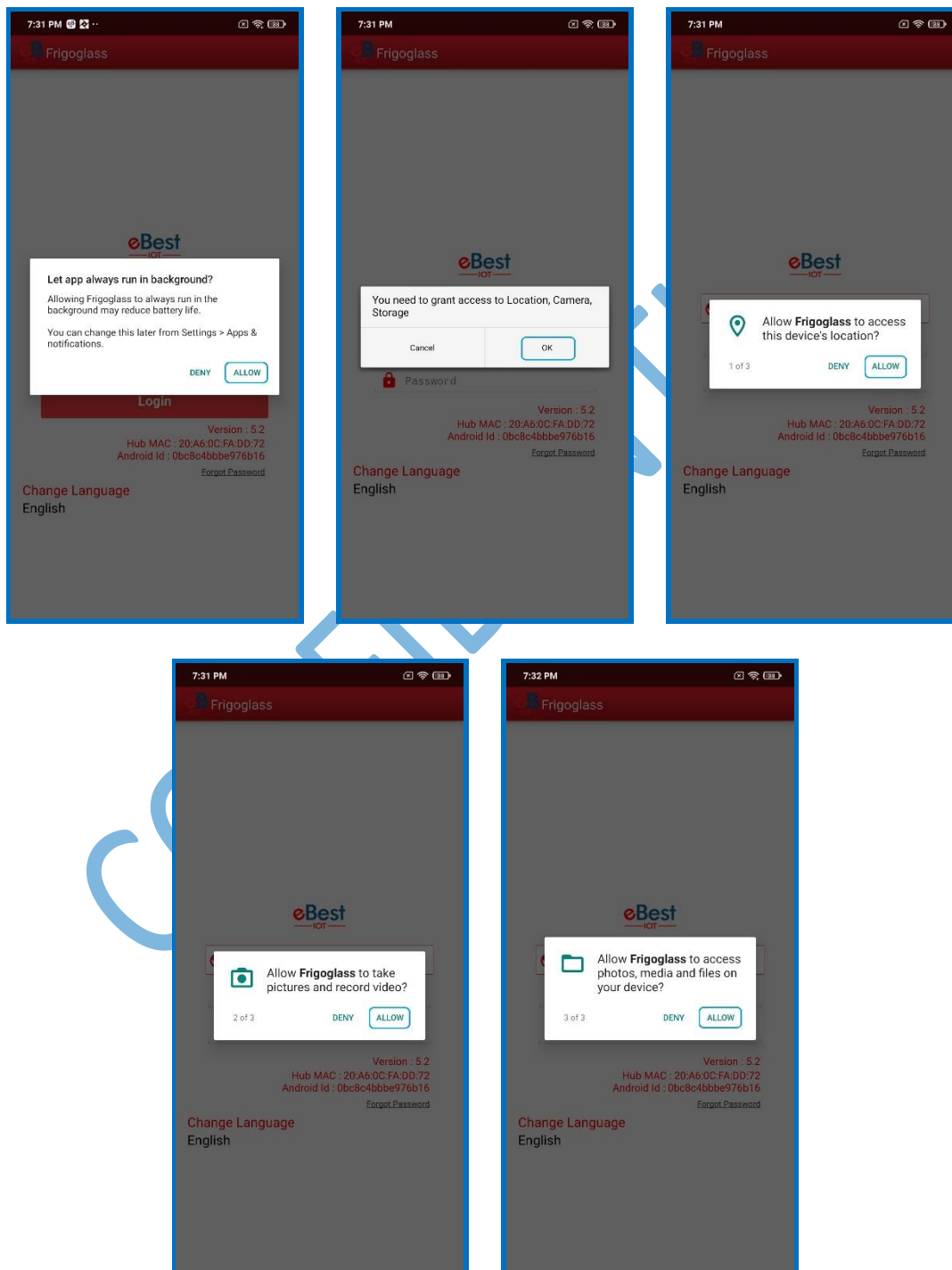
2. Click on the **FRIGOGLASS** application icon. It will launch the application.

Note: Before the launching of the Application, please ensure that Bluetooth & Internet are enabled.



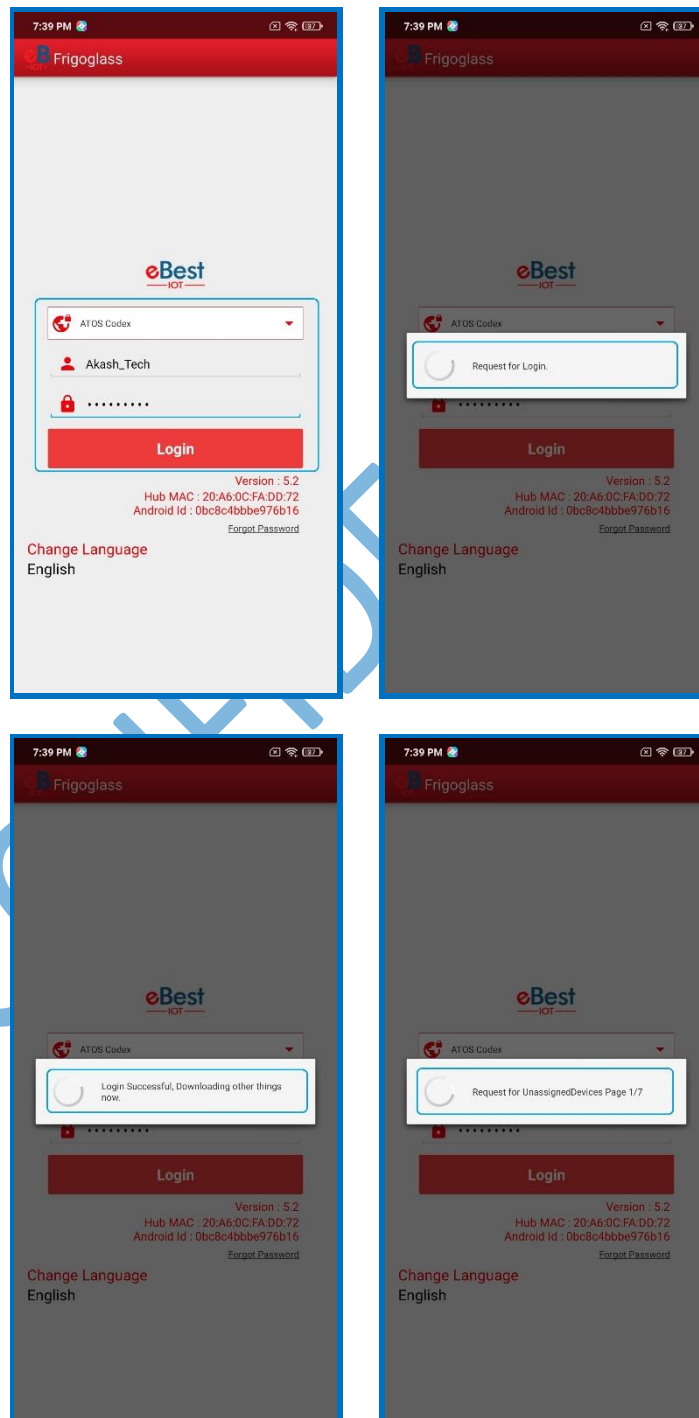
- Select Server shows several options, depending on the Client and Factory you should choose a different option,
 - For CCH installations from Romania and Russia choose the **ATOS Codex** server.
 - For CCH installations from China choose the **Frigoglass China** server.
 - For Other installations choose **Vision IOT** or contact the **eBest** 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 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**.

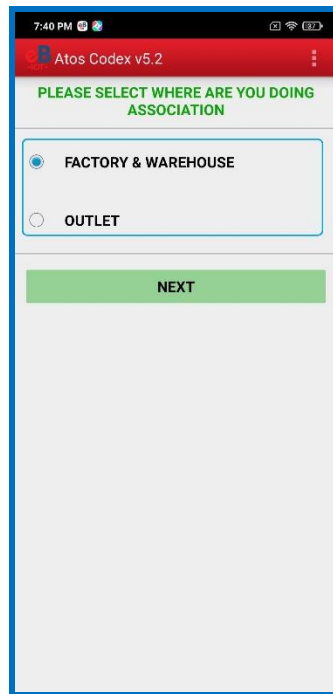


- Provide valid credentials and tap on the Login button, please be advised that the application will need some time to download data from the cloud.

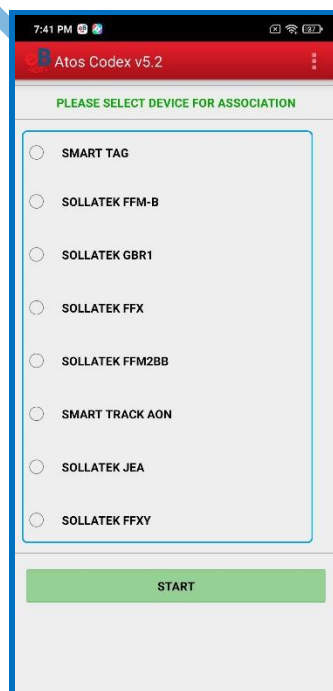
Note: Internet connectivity is required during login otherwise login will fail and the application will not work



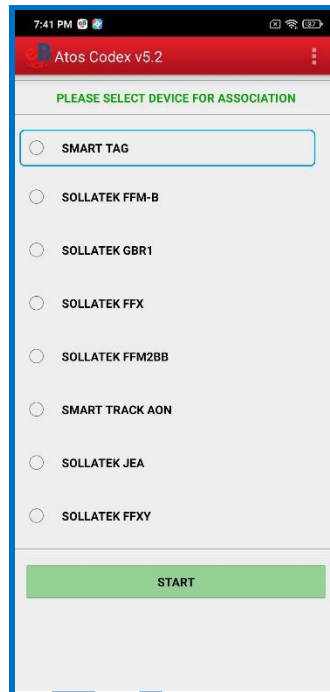
3. Users have to choose where they are doing the smart device association, **Factory & Warehouse**, or **Outlet** Place.



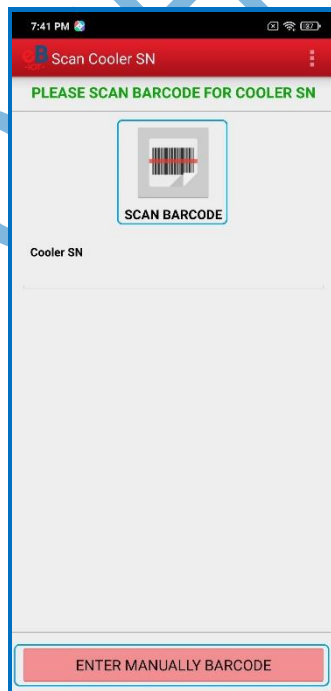
4. Select the **Smart Device Type** for which the user needs to do association. Association supported smart device list showing in the display.



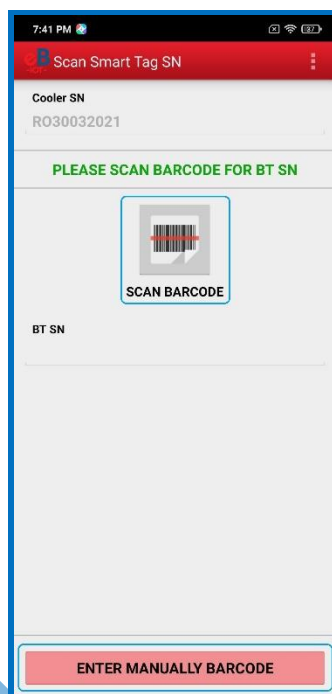
5. Users have to choose here smart device type from the list for which users want to do association. If a SmartTag (V3 or V4) will be associated, please choose **SMART TAG** and click on the **START** button.



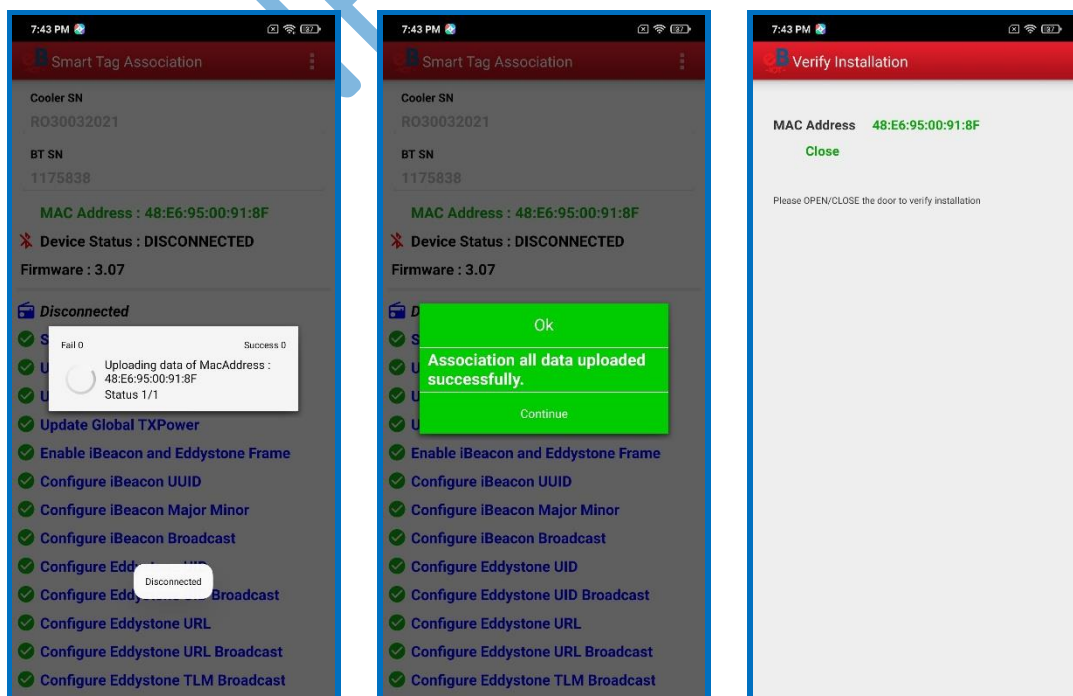
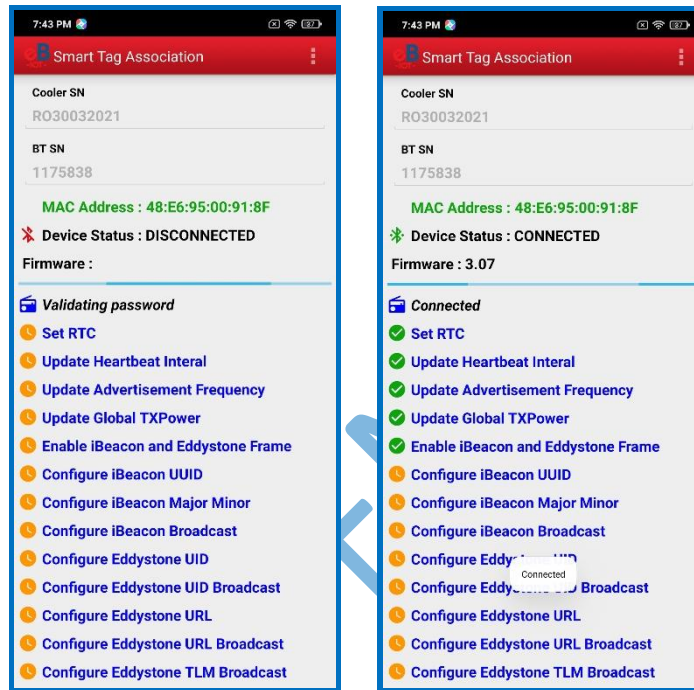
6. Tap on **SCAN BARCODE** and scan the barcode of the cooler. Cooler Serial Number could also be entered manually by tapping on **ENTER MANUALLY BARCODE**.



7. 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**.

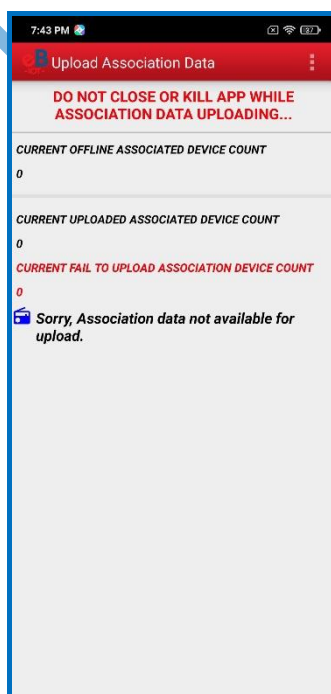
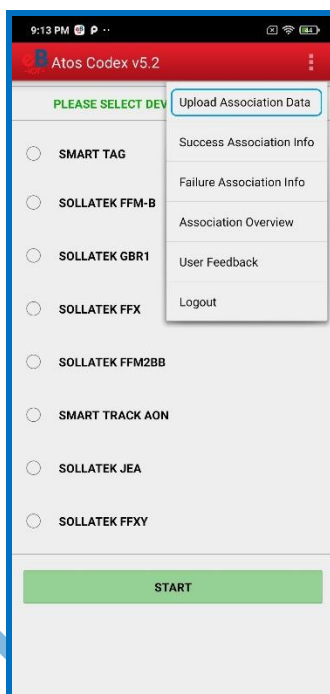


8. After the SmartTag Serial Number is successfully scanned the following screen will be shown. It will initialize the association process and respectively show the **SUCCESS** message. **If Scanning Timer reaches 30 seconds open and closes the door again, if this doesn't help check if the SmartTag and the Magnet are installed correctly.** The Cooler Serial Number and SmartTag Serial Number can be seen on the screen. After the successful Association There found one verification of installation by Door Open/Close of device.

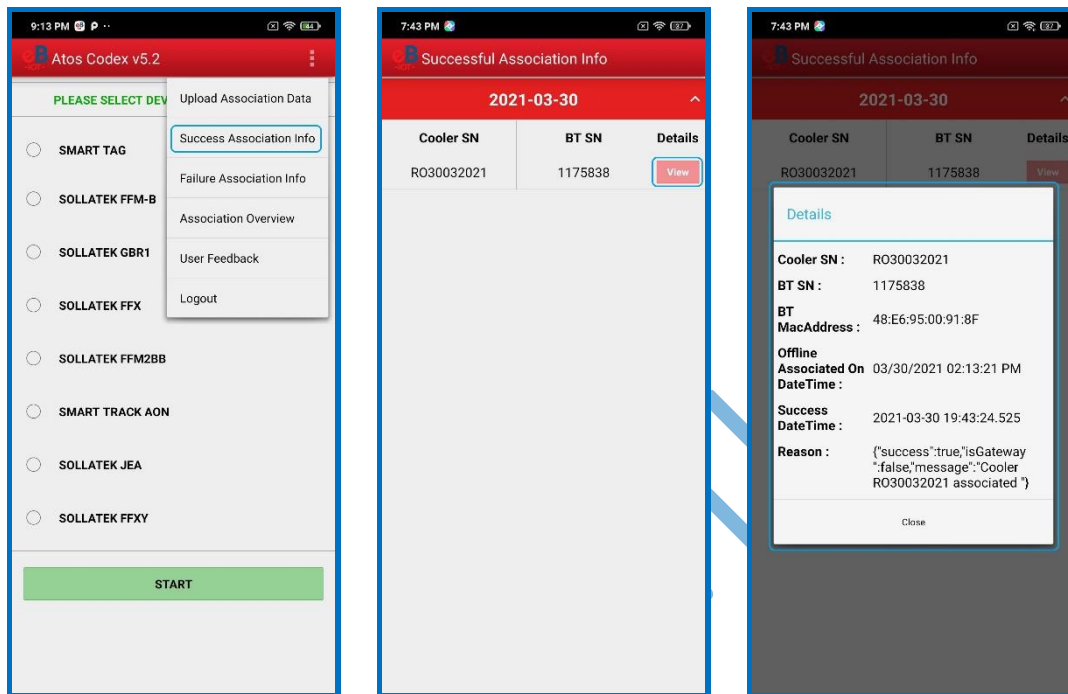


LOGS

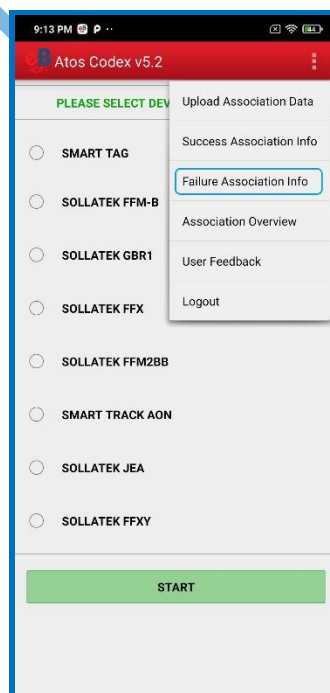
1. **UPLOAD ASSOCIATION DATA** - To check if all the associated data is uploaded, tap on the hamburger menu in the upper right corner and then tap on **Upload Association Data**. Once data is uploaded a prompt saying all Association data uploaded was successful. If there is no data for upload a prompt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

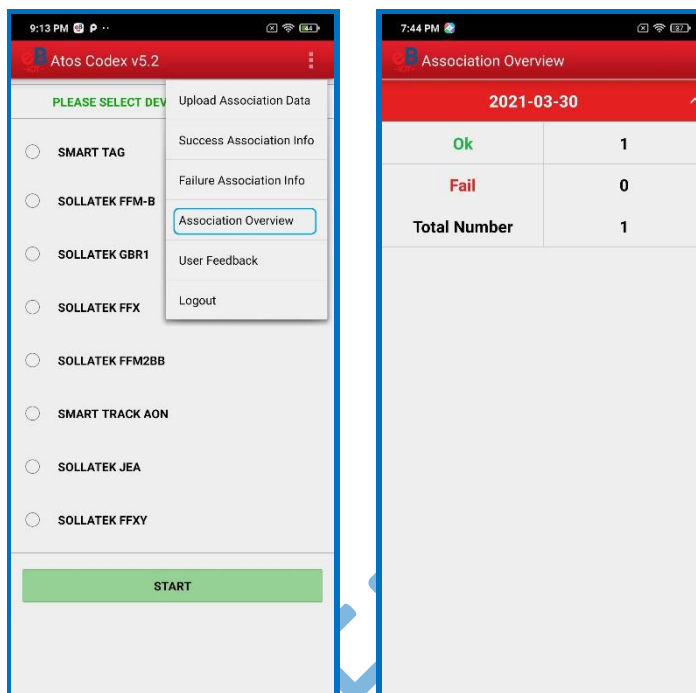


- FAILED ASSOCIATION INFO** - To check all Failed Associations Info, tap on the hamburger menu in the upper right corner and then tap on **Failure Association Info**.



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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	Error 55	Shown on the Scan Cooler SN screen if the Cooler has a Smart Device already associated with it.
Please enter Cooler Serial Number	Error 56	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	Error 57	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	Error 58	Shown on the Association screen when a command fails.
Smart Device configuration file missing	Error 59	Shown on the Association screen when Configuration JSON missing for the Smart Device.
Not all Association data was uploaded successfully	Error 60	Shown when some association failed to be uploaded.
Smart Device not found, please try to wake up the Smart Device and try again	Error 61	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	Error 62	Shown when User Session expired (Token expired) on the server.
Please check your internet connection and try again	Error 63	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	Error 64	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	Error 65	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	Error 66	Shown on Cooler SN Screen when the cooler serial number is not valid.
Invalid response from the server	Error 67	Shown on Uploading association when the server gives the invalid response.
Device is not connected, please connect again	Error 68	Shown on the association screen when we are trying to execute the command and the device is not connected.
Device Configuration not available	Error 69	Shown when Smart Device Type Configuration is not found for the particular device.

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APPLICATION VERSION LOG

VERSION	DATE	CHANGES
5.2	10.03.2021	Resolved advertisement issue of Sollatek FFXy.
5.1	18.01.2021	Add support for Sollatek FFXy.
5.0	21.12.2020	Rename the QC Application.
4.9.2.	28.09.2020	Add Gateway HUB and Android id Details on Login Page. App Info gets Gateway HUB from a single method.
4.9.1.	07.09.2020	Environment And health interval not set when we associate FFX device. Resolved Issue of Failure Association Info Tab. Message Text Corrected in Login Pop-up.
4.9	06.03.2020	Resolved the Overlapping issue of the factory App and the Frigoglass App. Seitek China SmartTag Association Issue.
4.8.9.	13.01.2020	Add Door Open/Close step after association.
4.8.8.	27.09.2020	Need to add a battery and main task interval during association.
4.8.7.	20.06.2020	Association time Getting Error-66 "cooler serial number not valid". Disable back key on Device selection page.
4.8.5.	10.05.2019	Frigoglass App - Support for Indonesia Cooler Serial Numbers
4.8.4.	18.04.2019	Bar code Enhancement in the Association app and QC app for Frigoglass India.
4.8.3.	11.03.2019	Added support for Battery Mode Timeout for Sollatek JEA
4.8.2.	04.03.2019	Add support of Sollatek JEA into Frigoglass Association App.
4.8.1.	21.02.2019	Association Issue in Frigoglass Application v4.6.5 for Sollatek FFM2BB Device.
4.8	15.02.2019	Introduce Factory Selection screen in the Factory App UBC Barcode logic
4.7	11.02.2019	Association Issue in Frigoglass Application v4.6.5 for Sollatek FFM2BB Device.
4.6.6.	08.01.2019	Bugfender SDK 1.1 Integration in Factory Association App. Update barcode scanning implementation and library.
4.6.5.	01.01.2019	Bugfix for Smart Track AON <ul style="list-style-type: none"> Application show popup after 1 min of scanning for device connection. After that popup rotates the phone screen and the application retry to the device connection without applying any input. Started Supporting Cooler Serial numbers starting with IN (in addition to RO/RU)
4.6.4.	31.12.2018	Bugfix for Smart Track AON <ul style="list-style-type: none"> Health Interval not set as per settled in device type configuration on the cloud. Change device name SMART TRACK AON instead of SMART TRACK AON
4.6.3.	31.12.2018	Added support for Smart TrackAON
4.6.2.	12.12.2018	Added support for new MAC Range of addresses starting with "48: E6: 95: ..."
4.6.1.	07.12.2018	Add Support to set "Battery timeout Interval" during Association of Sollatek Devices
4.6	25.09.2018	Added support for SmartTag 4G V2
4.5.3.	30.07.2018	ATOS Migration for dynamic URL. Changed Connection Timeout from 35k to 60k millisecond.
4.5.2.	30.07.2018	Added support for Sollatek FFM2BB
4.5.1.	27.07.2018	Added support for Sollatek FFX
4.5	17.07.2018	Changed device scanning in association process which should remove interference issues and lead to faster scanning times
4.2.1.	-	Added mac address specific scanning for above API level 21 and Service UUID specific scanning for below API level 21.

4.2	-	Bugfixes related to deleting of linked devices
4.1.1.	-	Show DB Backup option for testing data saved from the cloud.
4.1	-	Updating of store mechanism to improve speed.
4.0	-	An application trying to upload association data after each association. Application Overview tab and languages added. Filtering by date of the Success Association Data and Failure Association Data tabs.
3.23	-	Solved issue with error 51. Solved after association scanning start issue.
3.22	-	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
3.21	-	Crash resolved when Error 64 dialog no button pressed.
3.20	-	Crash resolved when Error 64 dialog no button pressed.
3.19	-	Multiple time popup showing issue resolved.
3.17	-	Bluetooth turn message issue resolved.
3.16	-	Resolved Disconnection issues.
3.15	-	Offline association success message added.
3.14	-	When Offline association is successful then we redirect it to the Device selection screen.
3.13	-	Resolve issue with Sollatek GBR1 Association process.
3.12	-	Update Message structure & Update scanning process.
3.11	-	Update Message structure & Update scanning process.
3.10	-	Solved issue with Sollatek GBR1 device selection.
3.9	-	Language Support. Resolved duplicate record insertion issue for Unassigned device table.
3.8	-	Changed BTSN barcode viewfinder height and width.
3.7	-	Allow Cooler SN Max Length 18 and BT SN Max Length 8. Cooler SN Converted in Uppercase.
3.6	-	Cooler SN and BT SN Check Validation
3.5	-	Remove Test Data Issue. Show detail confirmation popup while association.
3.4	-	Don't allow association for Cooler SN which already available in Offline Association and Not Uploaded on the server
3.3	-	Association on Date Time Show.
3.2	-	Table View Create and Unassigned Download Issue Resolved.
3.1	-	Bug Fixes
3.0	-	Show Failure and Successful Associated Details.
2.2	-	Coolers associated in Russia via Factory Association app - issue with data on the portal for App Name.
2.1	-	The Barcode scanner opens manually.
2.0	-	Association time URL issue resolved. Whitelist download issue resolved.
1.0	-	Basic version with Zxing barcode reader.

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