



# FRIGOGLASS QC

USER MANUAL



ANDROID APK

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## CHANGELOG

VERSION	DATE	AUTHOR(S)	DESCRIPTION OF MODIFICATIONS
1.0	19.07.2018	Dimiter Kyurkchiev	Initial Version
1.20	01.04.2021	Akash Panchal	Updated Application Changelog

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## PURPOSE

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- Check the associations Status between coolers and smart devices.

## SCOPE

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- Useful for Frigoglass QC.

## 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:

- Check the associations Status between coolers and smart devices.

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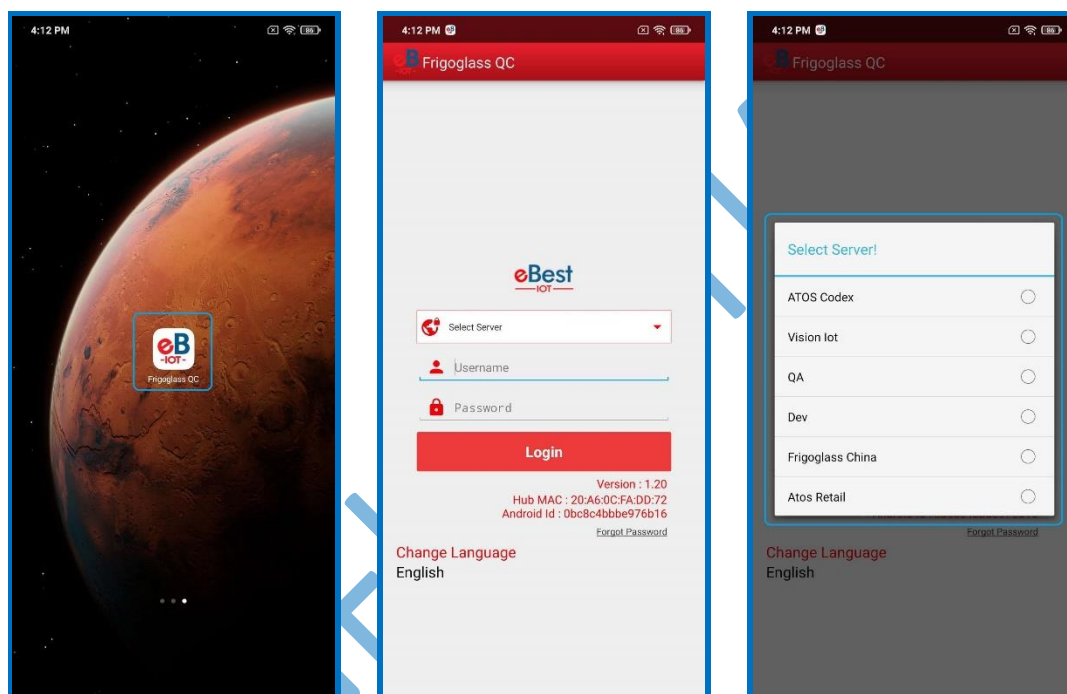
## INSTALLATION OF FRIGOGLASS QC PHONE APPLICATION (VERSION 1.X)

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

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

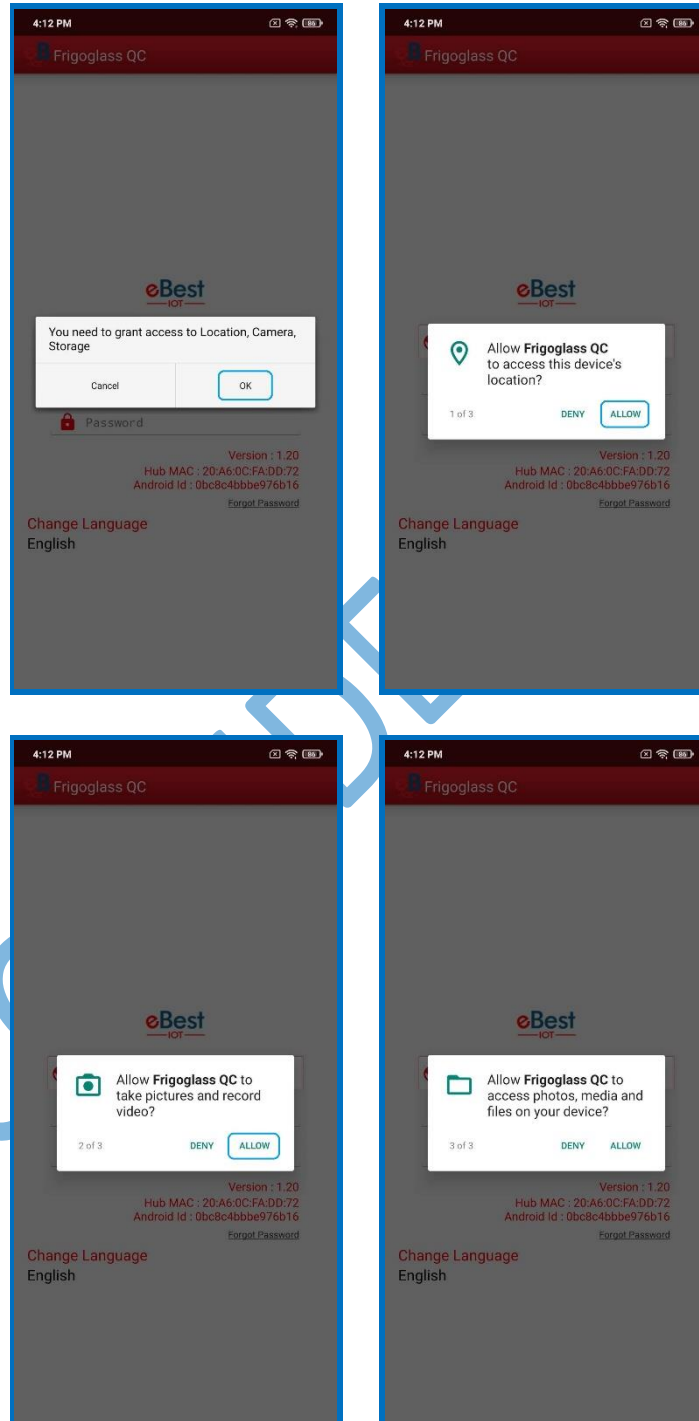
2. Click on the **FRIGOGLASS QC** application icon. It will launch the application.

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



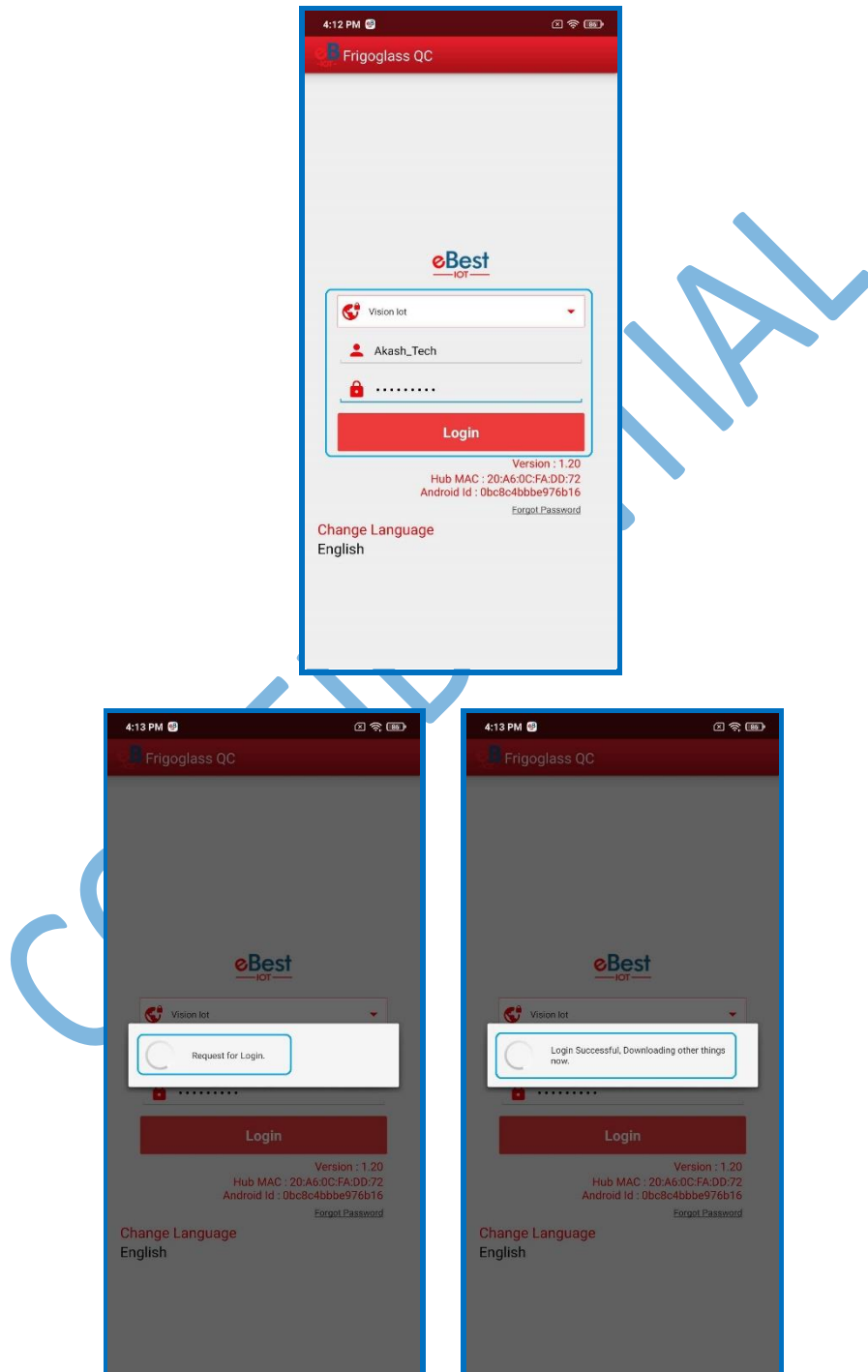
- List of Server shows, depending on the Client and Frigoglass user should choose a different option,
  - For Frigoglass the user can use the **Vision IoT** server.
- If a user is logging for a first-time Username (User ID) and Password should be entered, and Language should be chosen. The username and 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**.



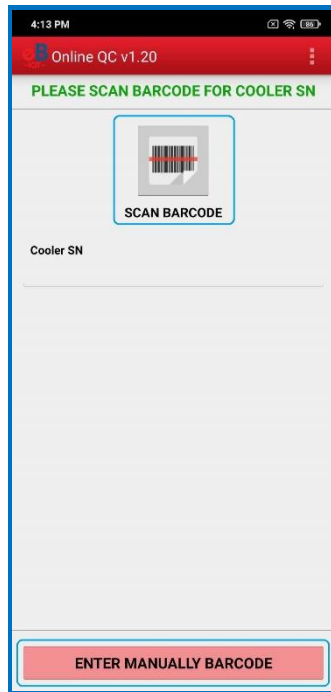
- Provide valid credentials and tap on the Login button, please be advised that the application will need some time to download data from the cloud.

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

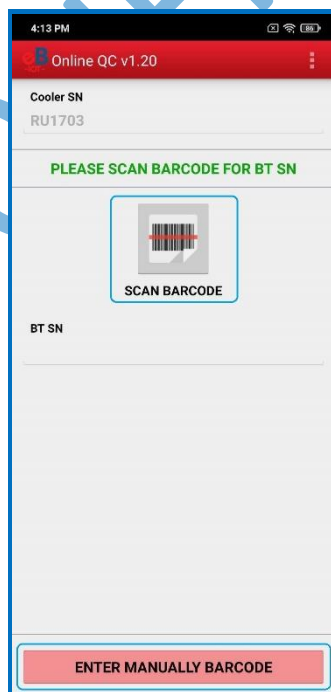




3. Tap on **SCAN BARCODE** and scan the barcode of the cooler. Cooler Serial Number could also be entered manually by tapping on **ENTER MANUALLY BARCODE**.



4. 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**.



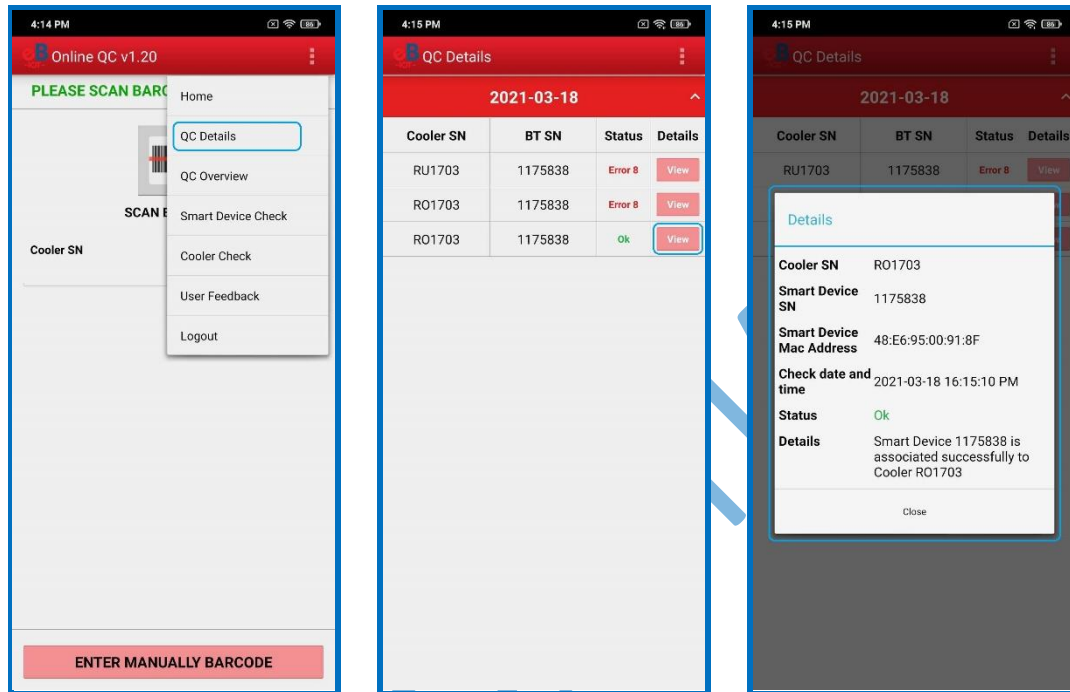
5. After the Smart Device Serial Number is successfully scanned the application will check the association in the eBest IoT System. The following message will be shown if the association between the scanned cooler and Smart Device are in the eBest IoT System.

If there is a problem with the association, an Error message will be shown. All the possible Errors and the reasons for them could be seen in the [LIST OF ERRORS, ALERTS, AND OK MESSAGES](#).

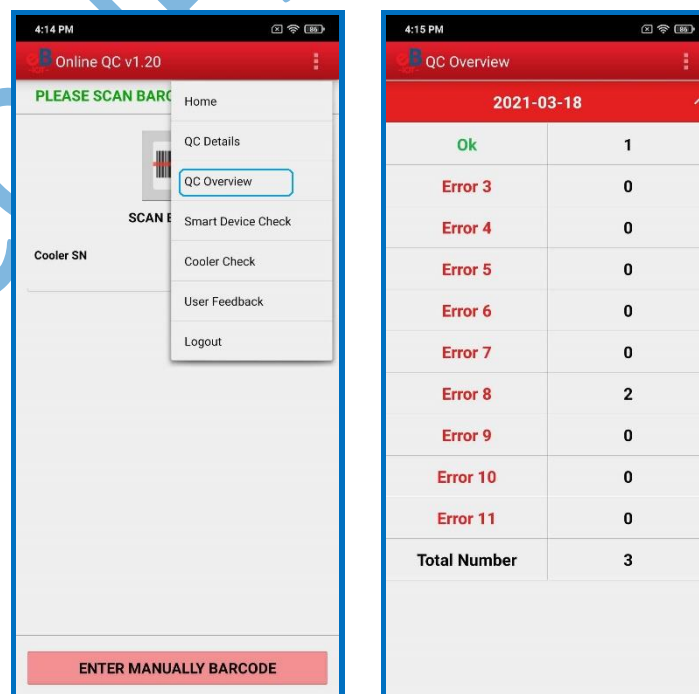


## LOGS

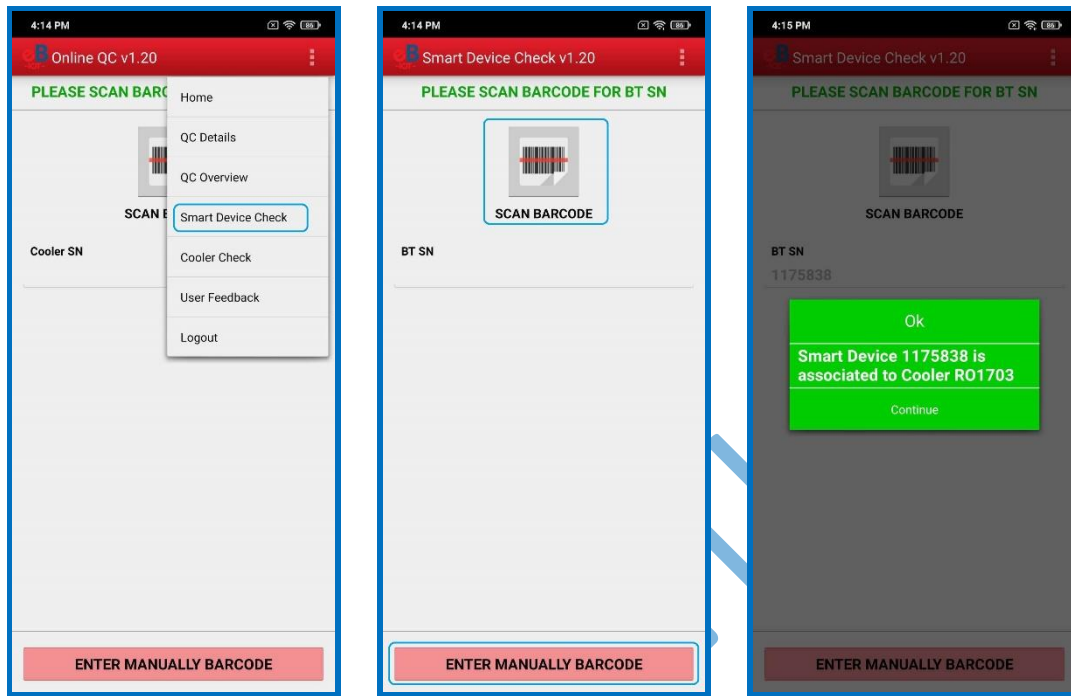
1. **QC DETAILS** – To Showing all the Cooler, Smart Device checks done and the results from those checks. If View is tapped, details are shown.



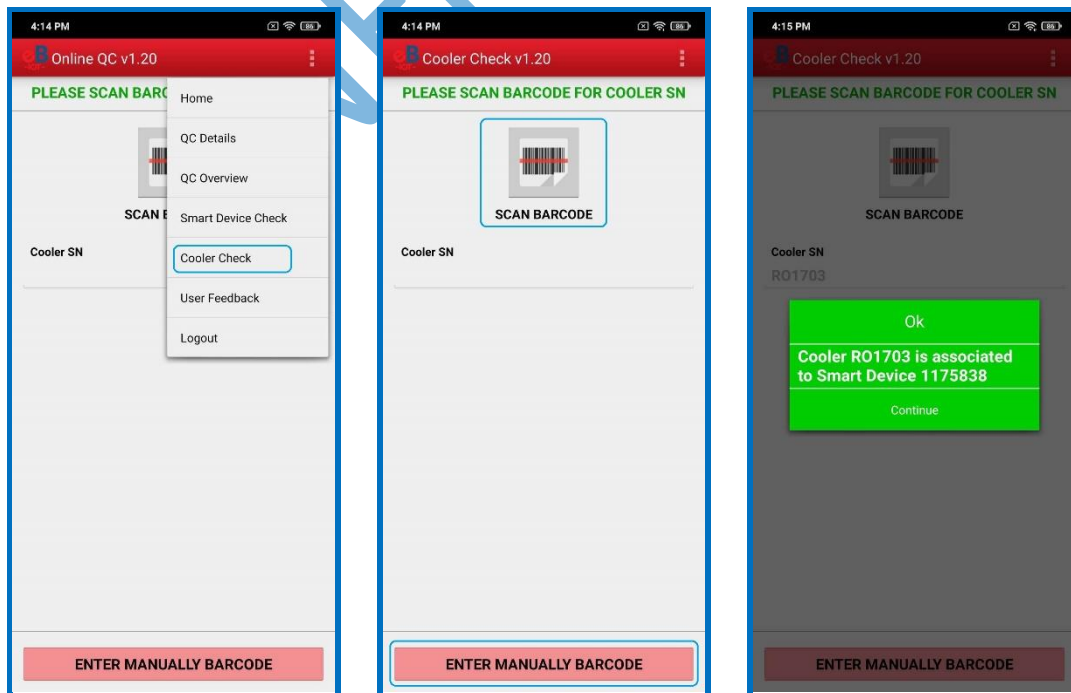
2. **QC OVERVIEW** – To Showing an Overview of the Cooler, Smart Device check Association.



### 3. SMART DEVICE CHECK – To Check a Smart Device without scanning a Cooler.



### 4. COOLER CHECK – Check a Cooler without scanning a Smart Device.



## LIST OF ERRORS, ALERTS, AND OK MESSAGES

DETAILED MESSAGE	SHORT MESSAGE	USER STORY
Smart Device <SD SN> is associated successfully to Cooler <COOLER SN>	OK	The user scans the SD SN and Cooler SN, the scanned SD, and Cooler are associated successfully.
Please check your internet connection and try again	ERROR 01	No Internet
Cannot connect to server, please try again	ERROR 02	No Internet or server not available
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> associated to Smart Device <SD SN>	ERROR 03	The user scans the SD SN and Cooler SN. The scanned SD is associated with a different Cooler than the one scanned.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated	ERROR 04	The user scans the SD SN and Cooler SN. The scanned SD is associated with a different Cooler than the one scanned. The scanned Cooler is not associated.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not in the Portal	ERROR 05	The user scans the SD SN and Cooler SN. The scanned SD is associated with a different Cooler than the one scanned. The scanned Cooler does not exist in the Portal.
Smart Device <SD SN> is not associated and Cooler <COOLER SN> is associated to Smart Device <SD SN>	ERROR 06	The user scans the SD SN and Cooler SN. The scanned SD is not associated. The scanned Cooler is associated with a different SD than the scanned.
Smart Device <SD SN> and Cooler <COOLER SN> are not associated	ERROR 07	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is not associated.
Smart Device <SD SN> is not associated and Cooler <COOLER SN> is not in the Portal	ERROR 08	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is not in the Portal.
Smart Device <SD SN> is not in the Portal and Cooler <COOLER SN> is associated to Smart Device <SD SN>	ERROR 09	The user scans the SD SN and Cooler SN. The scanned SD is not in the Portal. The scanned Cooler is associated with a different SD than the one scanned.
Smart Device <SD SN> is not in the portal and Cooler <COOLER SN> is not associated	ERROR 10	The user scans the SD SN and Cooler SN, the scanned SD is not in the Portal, the scanned Cooler is not associated.
Smart Device <SD SN> and Cooler <COOLER SN> are not in the Portal	ERROR 11	The user scans the SD SN and Cooler SN, the scanned SD is not in the Portal, the scanned Cooler is not in the Portal.
SMART DEVICE CHECK		
Smart Device <SD SN> is associated to Cooler <COOLER SN>	OK	The user scans the SD SN, the scanned SD is associated with Cooler SN.
Smart Device <SD SN> is not associated	ERROR 12	The user scans the SD SN, the scanned SD is not associated.
Smart Device <SD SN> is not in the Portal	ERROR 13	The user scans the SD SN, the scanned SD is not in the Portal
COOLER CHECK		
Cooler <COOLER SN> is associated to Smart Device <SD SN>	OK	The user scans the Cooler SN, the scanned Cooler is associated with SD SN.
Cooler <COOLER SN> is not associated	ERROR 14	The user scans the Cooler SN, the scanned Cooler is not associated.
Cooler <COOLER SN> is not in the Portal	ERROR 15	The user scans the Cooler SN, the scanned Cooler is not in the Portal

## APPLICATION VERSION LOG

VERSION	DATE	CHANGES
1.22	18.01.2021	Resolved Issue in GMC5 Check menu
1.21	23.12.2020	Login page show Gateway HUB and Android id Details. App Info get Gateway HUB from a single method An issue in Error Message
1.20	21-12-2020	Rename QC Application
1.19	28-09-2020	Add Gateway HUB and Android id info on Login Screen
1.18	11-09-2020	Update to latest Bugfender SDK
1.17	11-02-2020	The factory app and the Frigoglass app are currently overlapping
1.16	10-05-2019	support for Indonesia Cooler Serial Numbers
1.15	18-04-2019	Bar code Enhancement in Association app and QC app for Frigoglass India
1.14	20-02-2019	Introduce Factory Selection screen in the QC App
1.13	15-01-2019	Added support for the "IN" barcode in Cooler Serial Number scanning
1.12	08-01-2019	Bugfender SDK 1.1 Integration in Quality Control App Update barcode scanning implementation and library
1.11	-	Changed Association Check URL from InfoV2 to infoV2
1.10	-	Changed error code for Smart Device check and Cooler Check
1.9	-	Added support for Localization
1.8	-	Changed default strings for no internet connection and when a server is not responding
1.7	-	Resolved error 1 was not generated when there was no internet Changed success message title from 'Success' to 'OK'
1.6	-	Added individual check for Smart Device SN and Cooler SN
1.5	-	Added QC Details and Overview with proper error message structure
1.4	-	Disable Offline module
1.3	-	Remove Unassigned device List checking logic from Online QC
1.2	-	<b>Bug Fixes</b> - Disconnection and auto disconnection of device Issue and popup Message issue resolved - Device Connection related issue resolved. - OK Message related issue resolved after killing the QC Application.
1.1	-	Added QC module for checking association data from cloud-side
1.0	-	Added Frigoglass QC module and checking Cooler SN in BLE Device

## 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