



# VISION GROUP

## FACTORY QC

Application Guide

Mar 2024

# APPLICATION FEATURES

- ✓ **Association QC** – To check the Associated Status of the Smart Device with the Cooler in Factory.
- ✓ **QC Details** – To Show the Successful Association QC Details by Date with a message.
- ✓ **QC Overview** – To Show the Overall summary based on the Error and Success Message.
- ✓ **Smart Device Check** – To Check the QC Status of Smart Devices.
- ✓ **Cooler Check** – To Check the QC Status of the Cooler.
- ✓ **GMC5 Check** – To Check the QC Status of GMC5 Smart Devices.
- ✓ **Aon Connectivity Check** – To Check the AON device advertisement and ping data.
- ✓ **Aon Connectivity Check Log** – To Check the AON device advertisement and ping data logs.



# APPLICATION INSTALLATION

Install the “FACTORY QC” APK received from an Android phone link.

**URL:** <https://apps.visioniot.net/downloads/Android/OEMFactory/>

The screenshot shows the VISION IOT website's support page for OEM Factory Association. It features two tables: one for 'Factory Association (Android)' and one for 'Quality Check (Android)'. The 'Quality Check' table has a yellow highlight on the row for version 2.7, which is the current production version.

APPLICATION	APP VERSION	TYPE (PROD/TEST)	RELEASE DATE	RELEASE NOTES	MANUAL PDF	MANUAL DOCX
Factory Association	8.6	TEST	12/02/2024	Changelog v8.6	Factory Association Application Manual 8.5	Factory Association Application Manual 8.5
Factory Association	8.5	TEST	11/10/2023	Changelog v7.9	Factory Association Application Manual 8.5	Factory Association Application Manual 8.5
Factory Association	8.4	TEST	22/09/2023	Changelog v7.9	-	-
Factory Association	8.1	TEST	30/08/2023	Changelog v7.9	-	-
Factory Association	7.9	TEST	09/08/2023	Changelog v7.9	-	-
Factory Association	7.7	TEST	31/06/2023	Changelog v7.7	-	-
Factory Association	7.3	TEST	10/09/2021	Changelog v7.3	Factory Association Application Manual 5.6	Factory Association Application Manual 5.6
Factory Association	7.2	TEST	09/09/2021	Changelog v7.2	-	-
Factory Association	7.1	TEST	20/08/2021	Changelog v7.1	-	-
Factory Association	7.0	PRODUCTION	12/07/2021	Changelog v7.0	-	-
Factory Association	6.9	TEST	14/06/2021	Changelog v6.9	-	-

APPLICATION	APP VERSION	TYPE (PROD/TEST)	RELEASE DATE	RELEASE NOTES	MANUAL PDF	MANUAL DOCX
Quality Check	2.7	Production	08/03/2024	Changelog v2.7	Quality Check Application Manual v1.22	Quality Check Application Manual v1.22
Quality Check	1.24	TEST	09/04/2021	Changelog v1.24	Quality Check Application Manual v1.22	Quality Check Application Manual v1.22
Quality Check	1.23	TEST	03/03/2021	Changelog v1.23	-	-
Quality Check	1.22	TEST	18/01/2021	Changelog v1.22	-	-
Quality Check	1.21	TEST	23/12/2020	Changelog v1.21	-	-
Quality Check	1.19	PRODUCTION	20/03/2020	Changelog v1.19	-	-

The Factory QC application is compatible only with Smartphones having Android V9.0 and above.

1. Open VISION IOT’s Factory QC Application.
2. Log in to the application using the credentials provided by your administrator.

**Suggested Note:** Before installing every new version, Logout and delete the previous version.

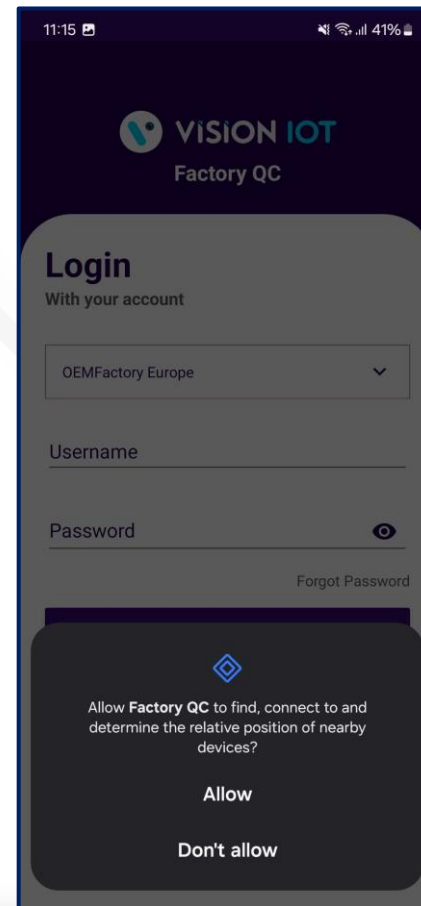
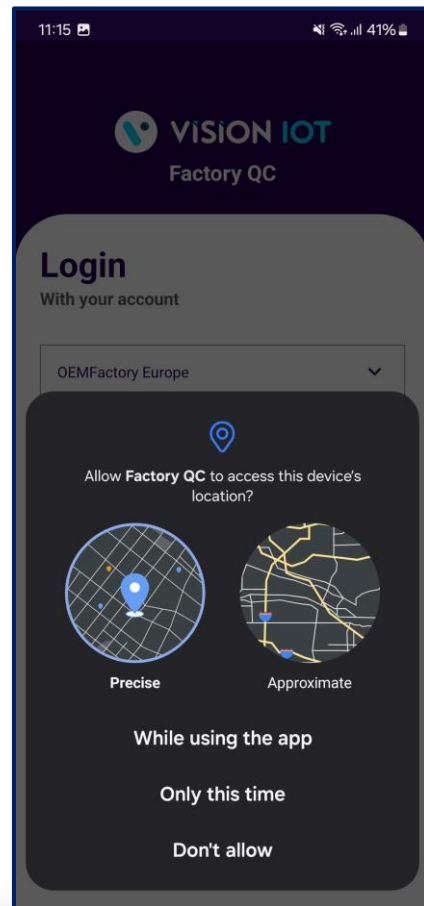
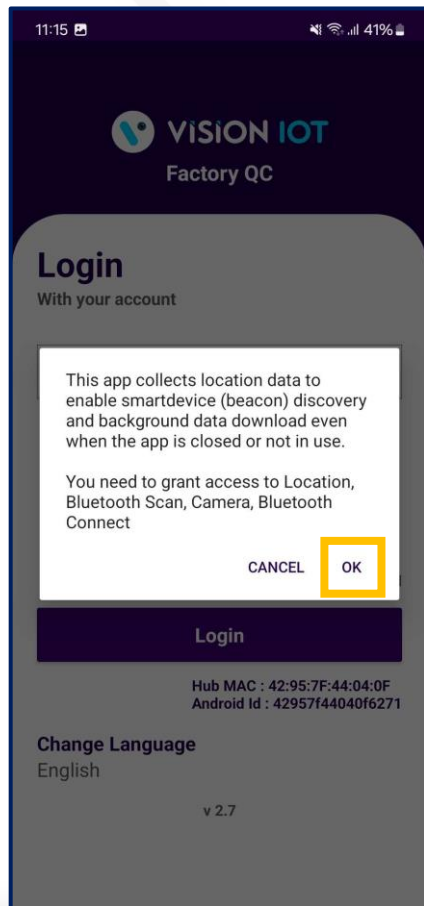
**Note:** Please ensure Bluetooth, mobile Wi-Fi, or Mobile Data are ON in the device.



# APPLICATION PERMISSION

After initial installation and launch, the Application will ask for permission to access.

**Choose Server:** For CCH and CCEP the user can use the OEM Factory Europe server.



Camera Permission, File and Media Permission, Location Permission, Nearby Device Permission Need to Allow.

## PERMISSIONS

- For Location (so beacons can be found) - **Choose Allow While Using App on as per Handset OS.**
- Then Go to the Phone Settings > App Permissions > Location > Allow Location Access option is "Always".
- Same way Other Permissions like File and Media, Camera, Nearby Device need to Allow.



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# LOGIN

After installing the Factory QC Application, open it and user will be redirected to the Login Page. Choose a server from the list and log in with valid credentials.

11:16 41%

**VISION IOT**  
Factory QC

### Login

With your account

OEMFactory Europe

Username

Password

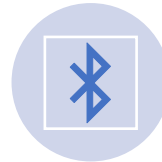
[Forgot Password](#)

**Login**

Hub MAC : 42:95:7F:44:04:0F  
Android Id : 42957f44040f6271

**Change Language**  
English

v 2.7



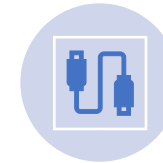
Please ensure that Bluetooth is turned on and that location services are enabled.



To log in, the application needs an active internet connection.



After logging in initially, the application can be used in offline mode as long as the same username and password used for the online login are used.



Devices must have at least 4GB of RAM and Bluetooth version 4.2 or higher.



The minimum required operating system version is 9.0 or above.



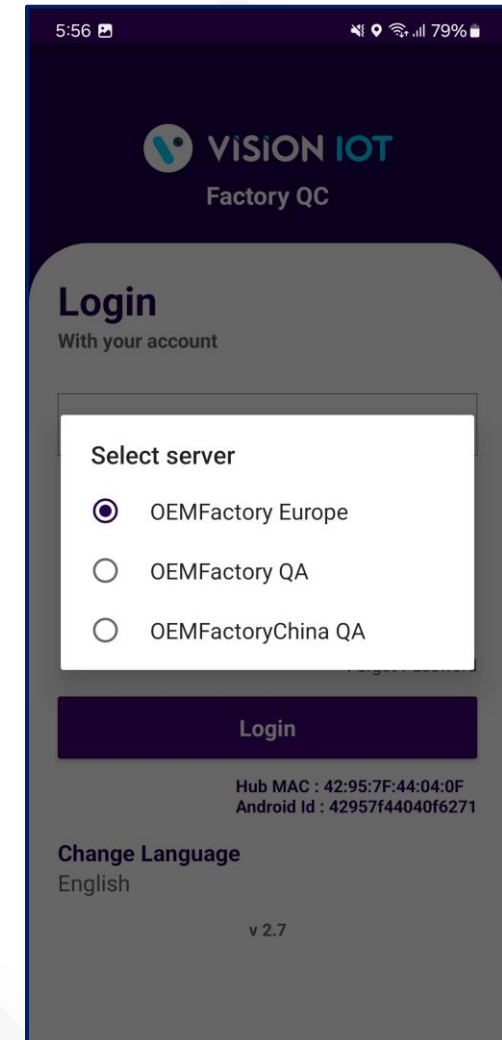
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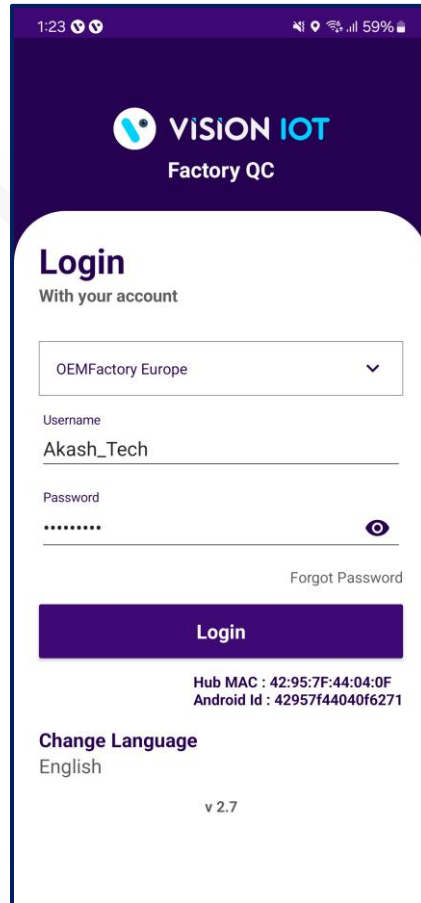
- ✓ Default OEM Factory Europe Server shows, depending on the Client and Factory user should choose a different option,
  - For CCH and CCEP the user can use the OEM Factory Europe server.
- ✓ To change the language, tap on **Change Language** and use can choose the language. Currently, there is English 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.



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Provide valid credentials and tap on the Login button.



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



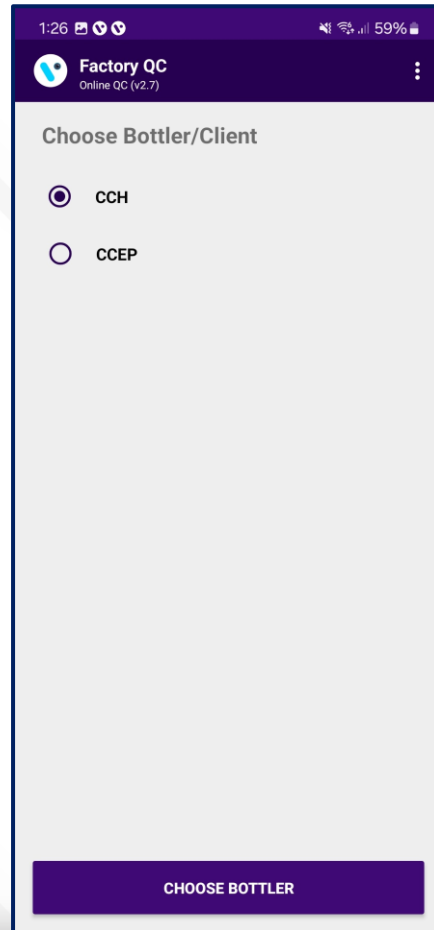
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# FACTORY QC – SELECT BOTTLER/CLIENT



- Users must choose the bottler/client whom they are doing the smart device QC for.



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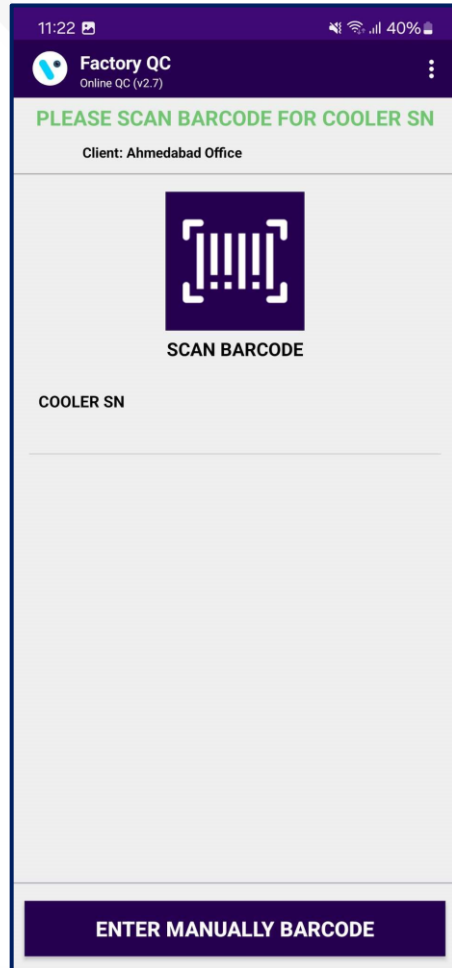
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# FACTORY QC – SCAN COOLER SN



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



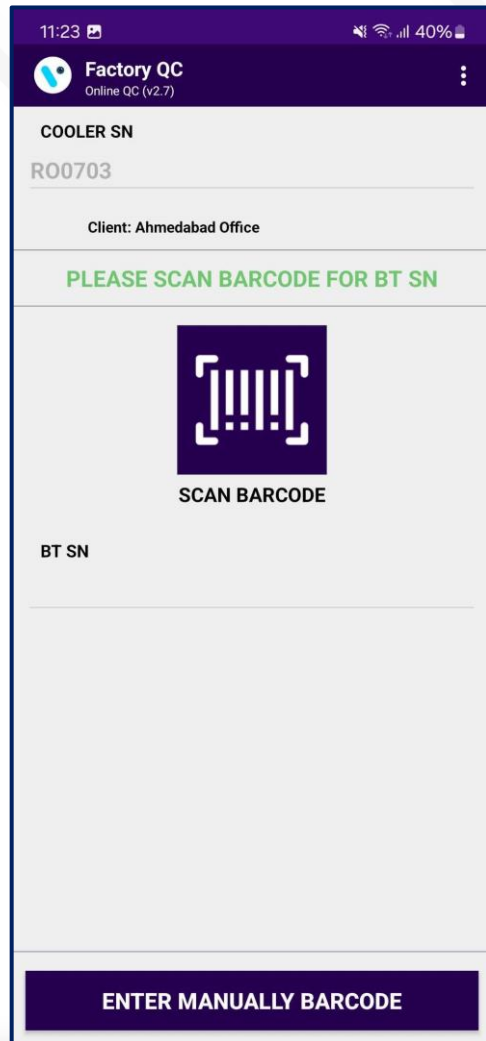
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# FACTORY QC – SCAN SMART DEVICE SN



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



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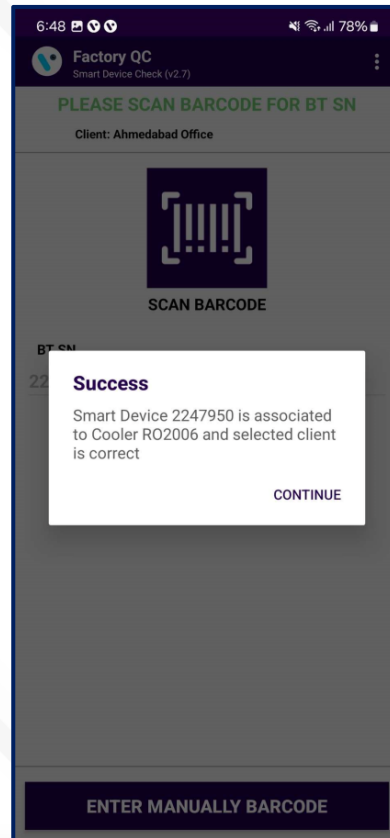
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# ASSOCIATION – SMART DEVICE CONFIGURATION SETTING UP

After the Smart Device Serial Number is successfully scanned the application will check the association in the Vision IoT System. The following message will be shown if the association between the scanned cooler and Smart Device are in the Vision 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 can be seen in the **LIST OF ERRORS, ALERTS, AND OK MESSAGES** in the tail slides.



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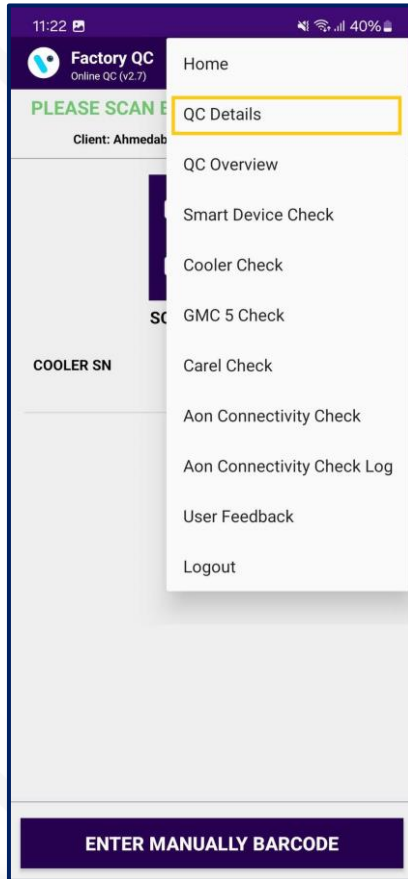
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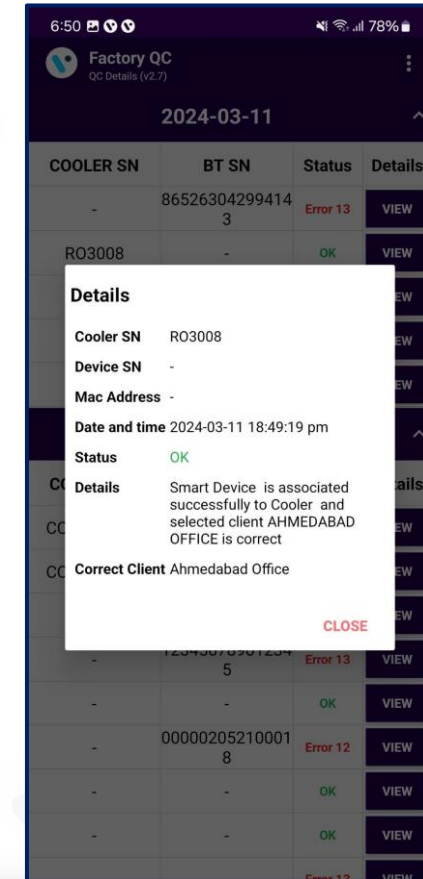
# QC DETAILS

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



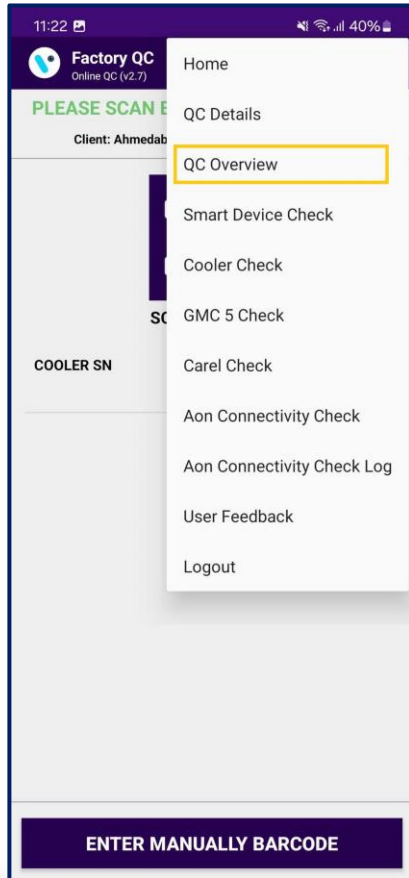
The screenshot shows the 'QC Details' screen for the date 2024-03-11. It displays a table with columns: COOLER SN, BT SN, Status, and Details. The table contains several rows of data, including one with an 'Error 13' status and others with 'OK' status.

COOLER SN	BT SN	Status	Details
-	86526304299414 3	Error 13	VIEW
RO3008	-	OK	VIEW
RO2006	2247950	OK	VIEW
RO2006	02247950	OK	VIEW
RO2006	02247950	OK	VIEW



# QC OVERVIEW

QC OVERVIEW – To Show an Overview of the Cooler, Smart Device check Association.



The screenshot shows the 'Factory QC' mobile application interface displaying a summary table for the date 2024-03-11. The table lists the status of various checks and the number of occurrences.

2024-03-11	
OK	4
Error 7	0
Error 8	0
Error 10	0
Error 11	0
Error 12	0
Error 13	1
Error 14	0
Error 15	0
Error 20	0
Error 21	0
Error 22	0
Error 23	0
Error 24	0



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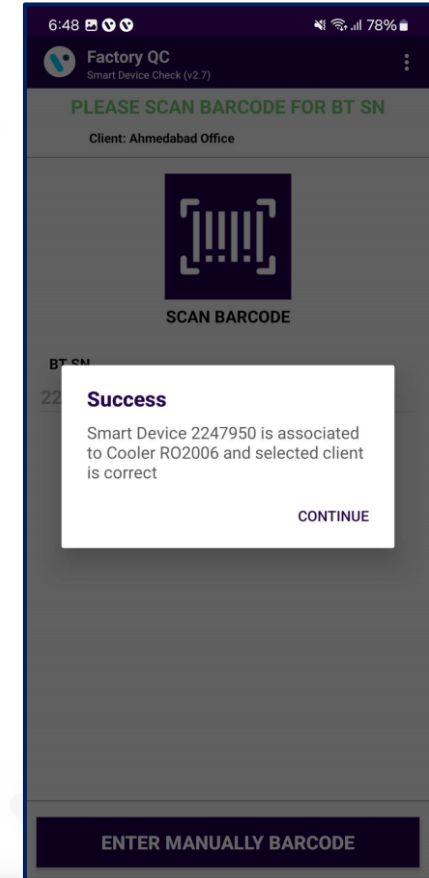
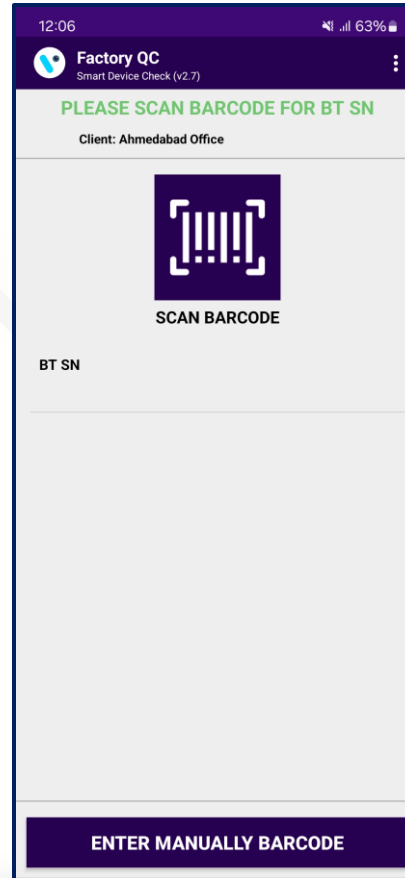
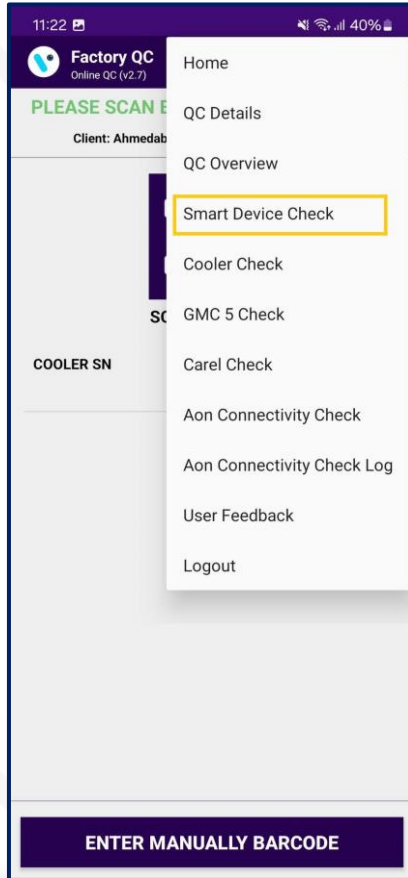
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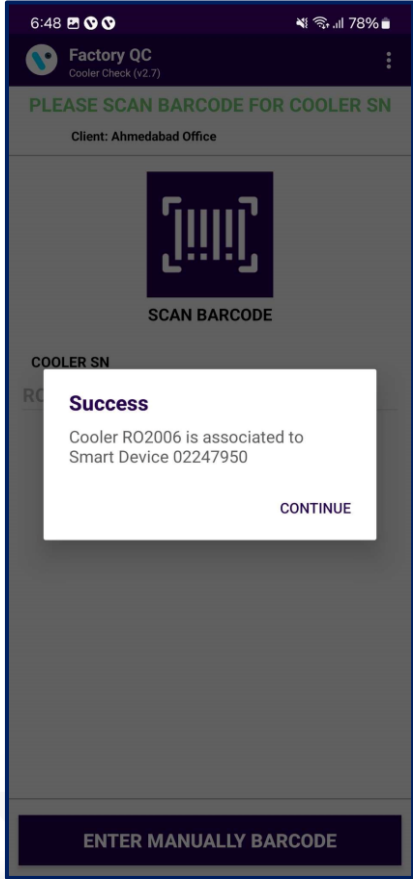
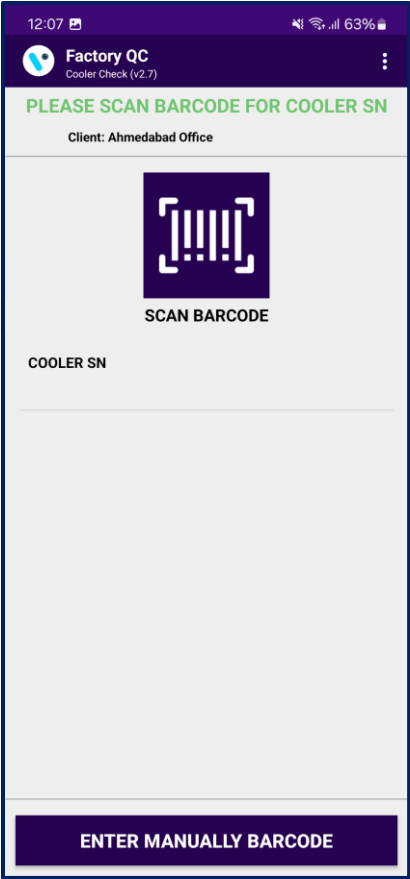
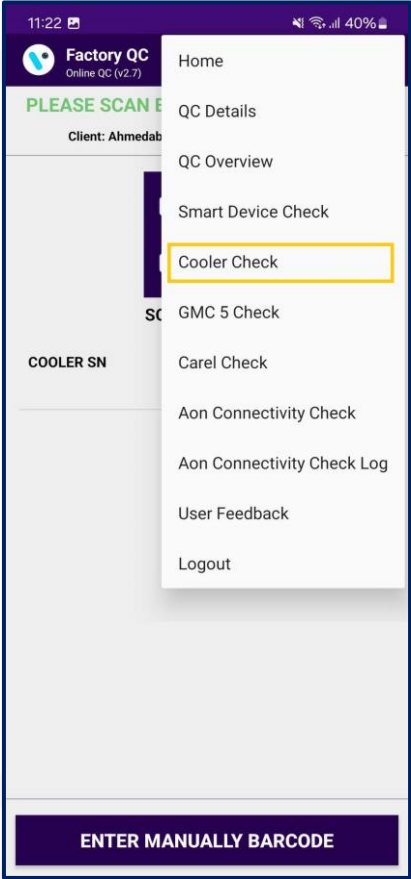
# SMART DEVICE CHECK

SMART DEVICE CHECK – To Show an Overview of the Smart Device, in Smart Device Check Association.



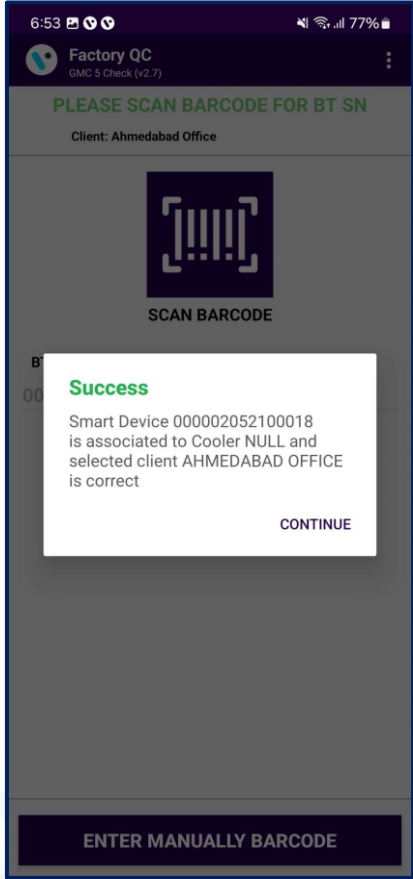
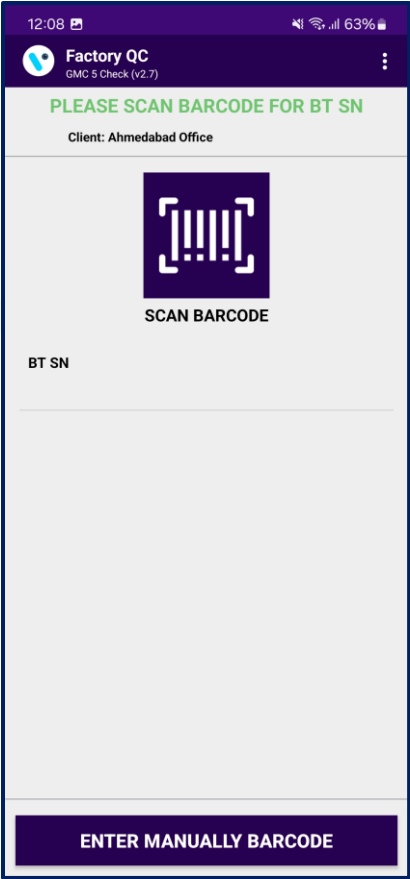
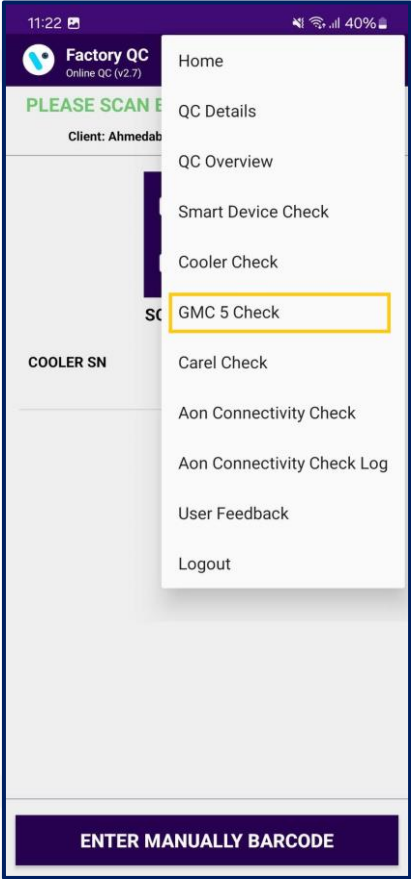
# COOLER CHECK

COOLER CHECK – To Show an Overview of the Cooler, in the Cooler Check Association.



# GMC5 CHECK

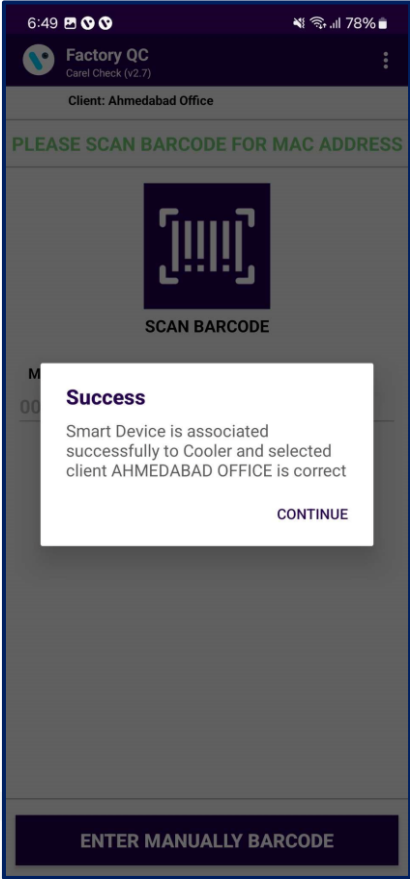
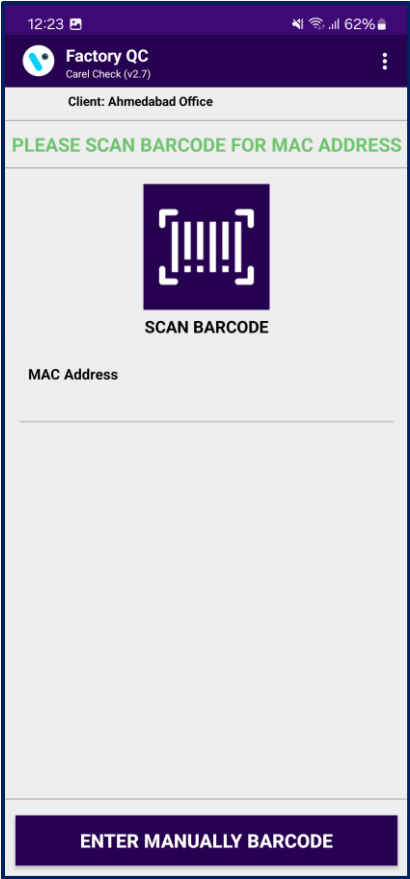
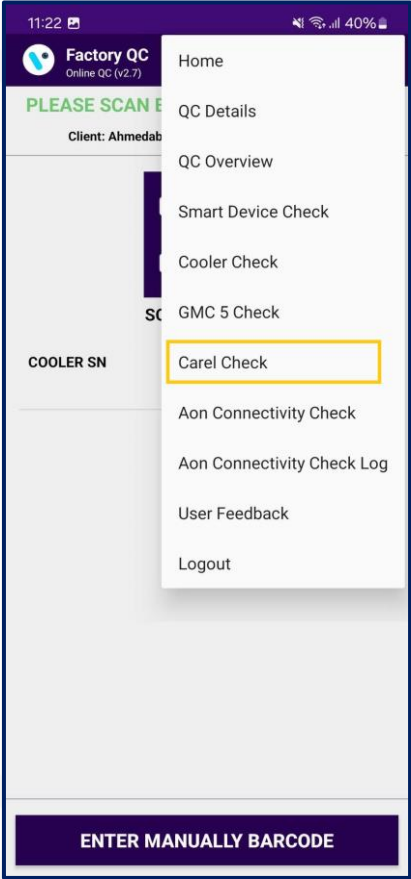
GMC5 CHECK – To Show an Overview of the Sollatek GMC5 Device, in the GMC5 Check Association.





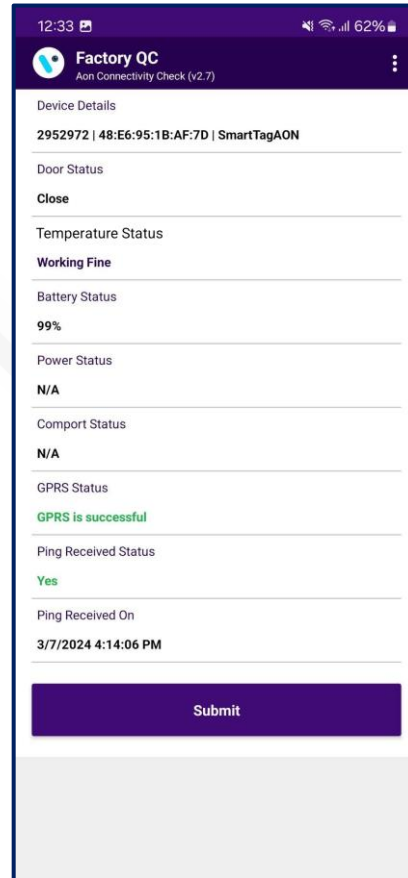
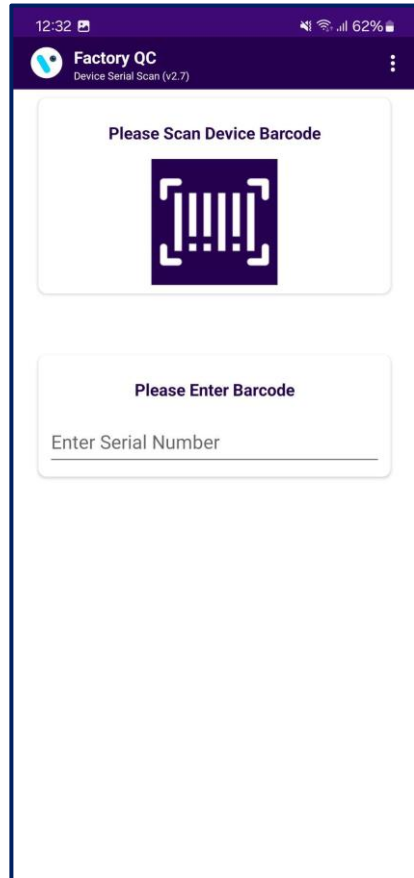
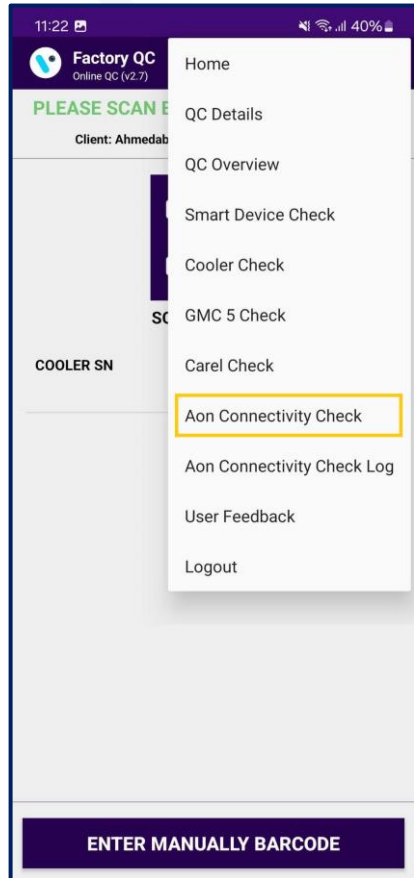
# CAREL CHECK

CAREL CHECK – To Show an Overview of the Carel Device, in the Carel Check Association.



# AON CONNECTIVITY CHECK – Smart Tag AON

To check the Advertisement and Ping Status, tap on the hamburger menu in the upper right corner and then tap on **Aon Connectivity Check**.



## SMART TAG AON

For the Smart Tag AON Connectivity check, the user must associate the Smart devices before 15 minutes.

**SMART TAG AON:** before the check AON Connectivity Status Give 5 to 9 door events within 30 seconds to start the advertisement.

After Checking the AON Connectivity of the Device Must Press the "SUBMIT" button to Save the AON Connectivity Check Logs.

If the device is not found within 120 seconds, the application will display the "Retry" and "Submit" buttons.

**GREEN LED** – When the Green LED Blinks the user can check the AON Connectivity status.

**PURPLE LED\*** device in cellular mode phone application will not be able to connect and the Device will not come in the advertisement.



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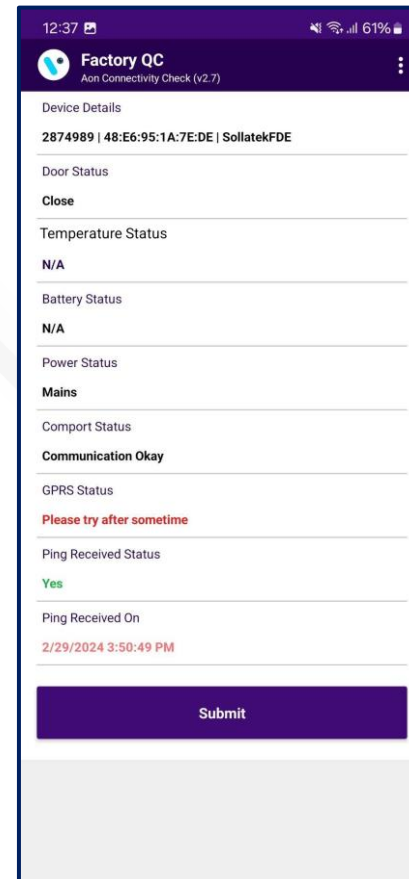
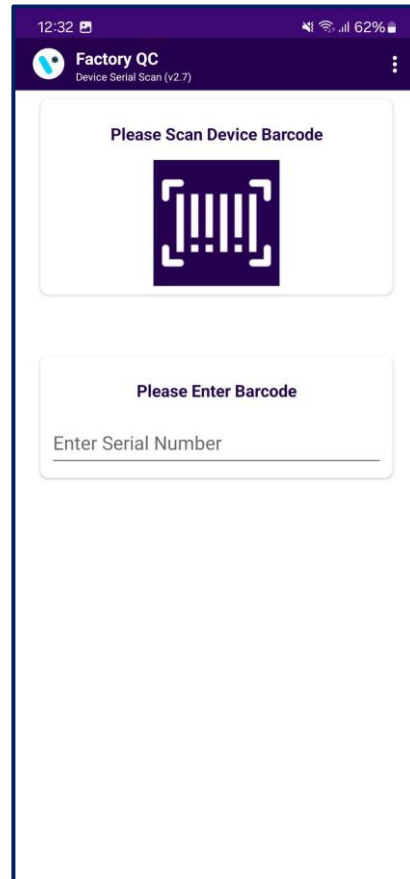
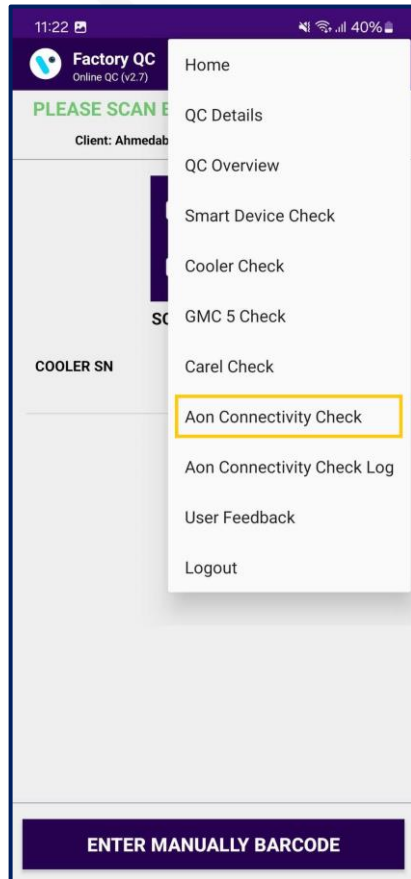
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# AON CONNECTIVITY CHECK – Sollatek FDEx2

To check the Advertisement and Ping Status, tap on the hamburger menu in the upper right corner and then tap on **Aon Connectivity Check**.



## SOLLATEK FDEx2

### SOLLATEK FDEx2:

The device Must be powered Minimum of 10 minutes before the AON Connectivity check.

There should not be in GPRS Activity going on with the FDEx2 Device. If it is not coming in the advertisement retry AON check after the 5 minutes with keep it powered ON.

**After Checking the AON Connectivity of the Device Must Press the "SUBMIT" button to Save the AON Connectivity Check Logs.**

If the device is not found within 120 seconds, the application will display the "Retry" and "Submit" buttons.



# AON CONNECTIVITY CHECK

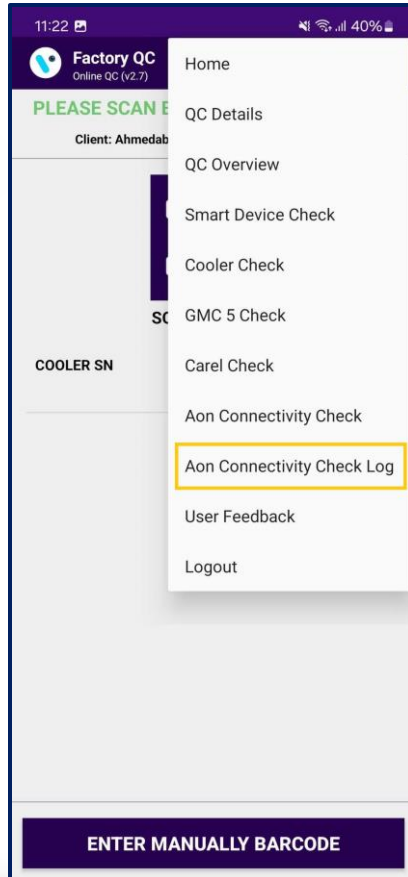
PARAMETERS	VALUE FORMAT	SMART TAG AON	SOLLATEK FDEX2
DEVICE DETAILS	Serial Number   MAC Address   Device Type Name	YES	YES
DOOR STATUS	Open / Close	YES	YES
TEMPERATURE STATUS	Working Fine / Faulty	YES	YES
BATTERY STATUS	Battery %	YES	N/A
POWER STATUS	Mains	N/A	YES
COMPORT STATUS	Communication Okay / Not OK	N/A	YES
GPRS STATUS	Status	YES	YES
PING RECEIVED STATUS	Yes / No	YES	YES
PING RECEIVED ON	Date and Time	YES	YES



# AON CONNECTIVITY CHECK LOG

To check the Advertisement and Ping Status Logs, tap on the hamburger menu in the upper right corner and then tap on **Aon Connectivity Check Logs**.

The page is Scrollable to see the other parameters to scroll right to left.



The screenshot shows the 'Factory QC' app interface displaying the 'Aon Connectivity Check Log' table. The table has the following columns: Sr. No, GPRS Status, Ping Status, Ping Date & Time, Door Status, Temp Status, Battery Status, and Power Status. The data rows are as follows:

Sr. No	GPRS Status	Ping Status	Ping Date & Time	Door Status	Temp Status	Battery Status	Power Status
2952972	Fail	Yes	3/7/2024 4:14:06 PM	N/A	N/A	N/A	N/A
2952972 SmartTagAON	Success	Yes	3/7/2024 4:14:06 PM	Close	Working Fine	99%	N/A
2874889 SolihahFDE	Fail	Yes	2/29/2024 2:52:49 PM	Close	N/A	N/A	Mains



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# MESSAGES – OK/Success Messages

## SMART DEVICE CHECK

Smart Device <SD SN> is associated to Cooler <COOLER SN>	<b>SUCCESS</b>	The user scans the SD SN, the scanned SD is associated with Cooler SN.
Smart Device <SD SN> is not associated	<b>ERROR 12</b>	The user scans the SD SN, the scanned SD is not associated.
Smart Device <SD SN> is not in the Portal	<b>ERROR 13</b>	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>	<b>SUCCESS</b>	The user scans the Cooler SN, the scanned Cooler is associated with SD SN.
Cooler <COOLER SN> is not associated	<b>ERROR 14</b>	The user scans the Cooler SN, the scanned Cooler is not associated.
Cooler <COOLER SN> is not in the Portal	<b>ERROR 15</b>	The user scans the Cooler SN, the scanned Cooler is not in the Portal



# MESSAGES – ALERTS Messages

## DETAILED MESSAGE

## SHORT MESSAGE

## USER STORY

Smart Device <SD SN> is associated successfully to Cooler <COOLER SN> and <CLIENT ID> is correct

**SUCCESS**

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> 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 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.



# MESSAGES – ERROR Messages

DETAILED MESSAGE	SHORT MESSAGE	USER STORY
Smart Device <SD SN> is associated successfully to Cooler <COOLER SN> and <CLIENT ID> is incorrect	<b>ERROR 20</b>	The user scans the SD SN and Cooler SN, the scanned SD and Cooler are associated successfully, but the client is incorrect.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> associated to Smart Device <SD SN> and the <CLIENT ID> is incorrect	<b>ERROR 21</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated with a different Cooler, and the client selected is incorrect, than the one scanned. The scanned Cooler is also associated with a different SD than the one scanned.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> associated to Smart Device <SD SN> and the <CLIENT ID> is correct	<b>ERROR 22</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated to a different Cooler, and the client selected is correct, than the one scanned. The scanned Cooler is also associated with a different SD than the one scanned.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and the <CLIENT ID> is correct	<b>ERROR 23</b>	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, but the client is correct.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and <CLIENT ID> is incorrect	<b>ERROR 24</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated to a different Cooler than the one scanned, the scanned Cooler is not associated, and the client is incorrect.
Smart Device <SD SN> is associated successfully to Cooler <COOLER SN> and <CLIENT ID> is incorrect	<b>ERROR 20</b>	The user scans the SD SN and Cooler SN, the scanned SD and Cooler are associated successfully, but the client is incorrect.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> associated to Smart Device <SD SN> and the <CLIENT ID> is incorrect	<b>ERROR 21</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated with a different Cooler, and the client selected is incorrect, than the one scanned. The scanned Cooler is also associated with a different SD than the one scanned.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> associated to Smart Device <SD SN> and the <CLIENT ID> is correct	<b>ERROR 22</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated to a different Cooler, and the client selected is correct, than the one scanned. The scanned Cooler is also associated with a different SD than the one scanned.





**DETAILED MESSAGE****SHORT MESSAGE****USER STORY**

Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and the <CLIENT ID> is correct	<b>ERROR 23</b>	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, but the client is correct.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and <CLIENT ID> is incorrect	<b>ERROR 24</b>	The user scans the SD SN and Cooler SN, the scanned SD is associated to a different Cooler than the one scanned, the scanned Cooler is not associated, and the client is incorrect.
Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not in the Portal and the <CLIENT ID> is correct	<b>ERROR 25</b>	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, but the client is correct.
Smart Device <SD SN> is associated with <COOLER SN> and Cooler <COOLER SN> is not in the Portal and the <CLIENT ID> is incorrect	<b>ERROR 26</b>	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, but the client is incorrect.
Smart Device <SD SN> is not associated and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is correct	<b>ERROR 27</b>	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is associated to a different SD than the scanned, but the client is correct.
Smart Device <SD SN> is not associated and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is incorrect	<b>ERROR 28</b>	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is associated to a different SD than the scanned, but the client is incorrect.
Smart Device <SD SN> is not in the Portal and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is correct	<b>ERROR 29</b>	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 and the client is correct.
Smart Device <SD SN> is not in the Portal and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is incorrect	<b>ERROR 30</b>	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, but the client is not correct.





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**Thank You!**