



VISION GROUP

FACTORY QC

APPLICATION GUIDE
MAY 2026

World's Leading AI-driven End-to-end Solution Platform for Retail Revolution

APPLICATION FEATURES

- **Association QC** – To check the Associated Status of the Smart Device with the Cooler in the 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 messages.
- **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.
- **Smart Track BLE Scanner** – To Check the Signal Strength of nearby Smart BLE Tracker.

PHONE SPECIFICATIONS

Component	Minimum Requirements
OPERATING SYSTEM	Android 12.0
OPERATING MEMORY (RAM)	4 GB And Above
FREE STORAGE	4 GB
CAMERA	At Least 5.0 MP With Autofocus
PROCESSOR (CPU)	A Quad-core Processor Or Faster
BLUETOOTH	BLE v5.0 or Above

APPLICATION INSTALLATION

VISION IOT

Factory

APPLICATION	APP VERSION	TYPE (PROD/TEST)	RELEASE DATE	RELEASE NOTES	MANUAL PDF	MANUAL DOCX/PPTX
Factory	11.1	Production	16/04/2026	Changelog v11.1	Version_10.1	-
Factory	10.7	Production	30/01/2026	Changelog v10.7	Version_10.1	-
Factory	10.5	Production	13/01/2026	Changelog v10.5	Version_10.1	-
Factory	10.4	Production	23/12/2025	Changelog v10.4	Version_10.1	-
Factory	10.3	Production	15/12/2025	Changelog v10.1	Version_10.1	-

Factory QC

APPLICATION	APP VERSION	TYPE (PROD/TEST)	RELEASE DATE	RELEASE NOTES	MANUAL PDF	MANUAL DOCX/PPTX
Factory QC	4.3	Production	16/04/2026	Changelog v4.3	Version_3.6	-
Factory QC	4.2	Production	06/03/2026	Changelog v4.2	Version_3.6	-
Factory QC	4.1	Production	30/01/2026	Changelog v4.1	Version_3.6	-
Factory QC	3.9	Production	13/01/2026	Changelog v3.9	Version_3.6	-
Factory QC	3.7	Production	15/12/2025	Changelog v3.7	Version_3.6	-

- Install the “**FACTORY QC**” APK downloaded via the link.
- URL:** <https://apps.visioniot.net/downloads/Android/OEMFactory/>

The OEM Factory QC application is compatible only with smartphones running Android 12.0 or later.

- Open Vision Group Retail's Factory Association Application.
- 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 is ON in the device.

APPLICATION PERMISSION

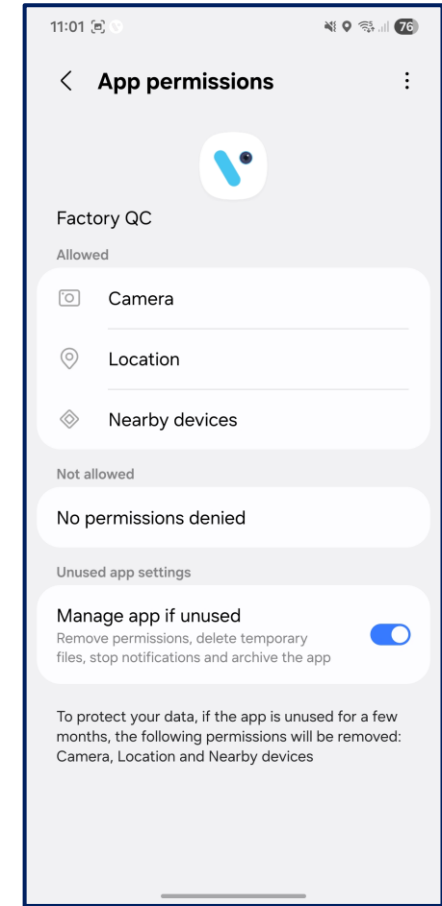
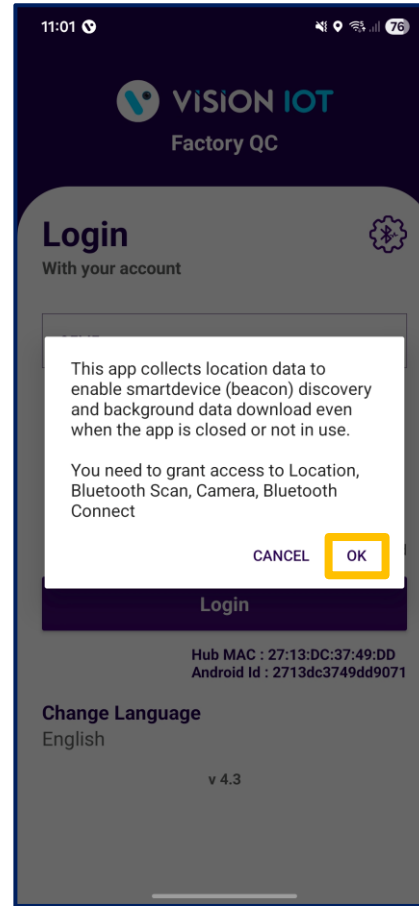
After initial installation and launch, the Application will ask for permission to access.

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

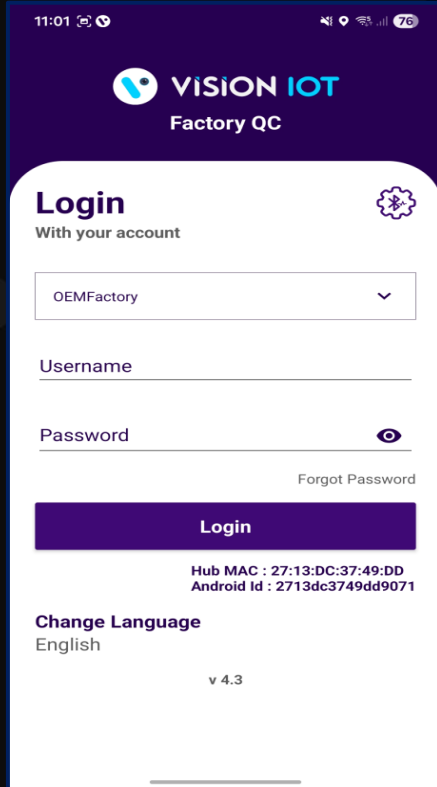
Camera Permission, File and Media Permission, Location Permission, and Nearby Device Permission Need to be allowed.

PERMISSIONS

- For Location - 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”.
- In the same way, Other Permissions like File and Media, Camera, and Nearby Device need to be allowed.



LOGIN



11:01

VISION IOT
Factory QC

Login 

With your account

OEMFactory ▼

Username

Password 

[Forgot Password](#)

Login

Hub MAC : 27:13:DC:37:49:DD
Android Id : 2713dc3749dd9071

Change Language
English

v 4.3

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



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



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



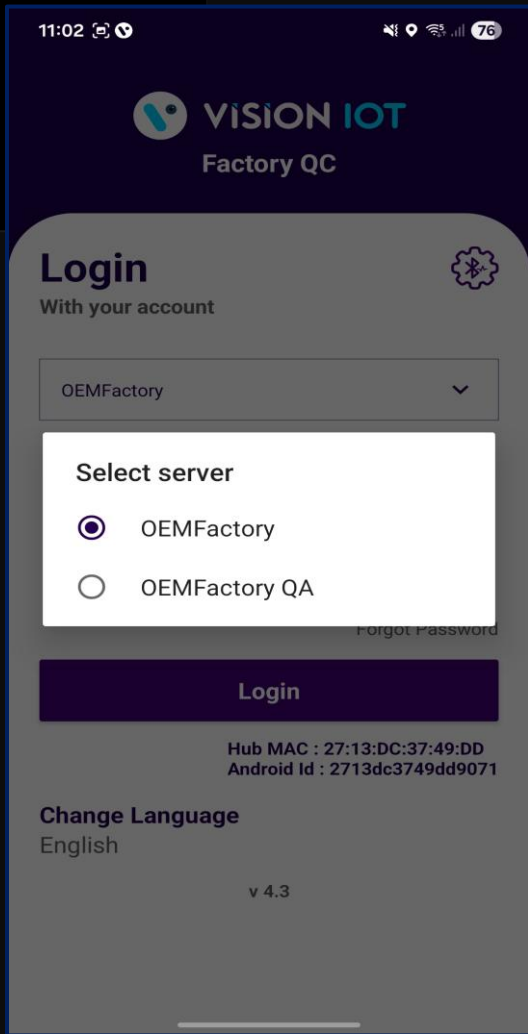
After logging in initially, the application can be used in offline mode as long as the same username and password used for the online login are used.



Devices must have at least 4GB of RAM and Bluetooth version 5.0 or higher.



The minimum required operating system version is 12.0 or above.



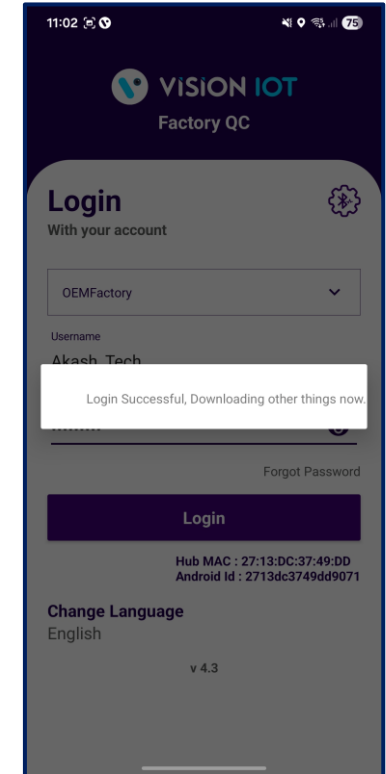
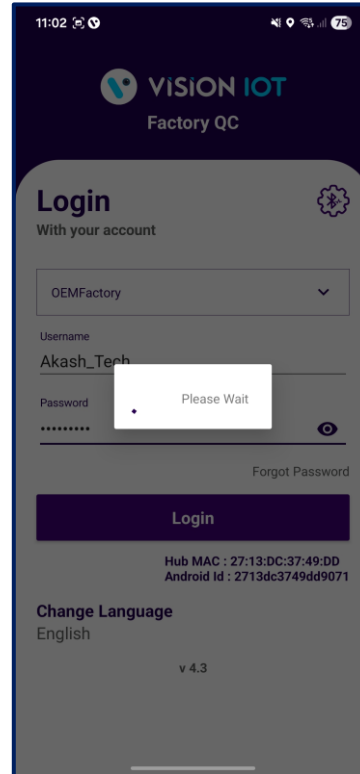
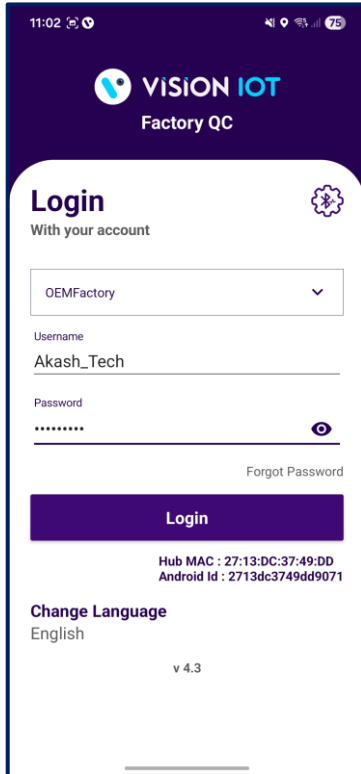
- The default **OEM Factory** Server shows, depending on the Client and Factory user, should choose a different option.

For **CCH** and **CCEP**, the user to use the OEM Factory server.

- To change the language, tap on **Change Language**, and the user can choose the language. Currently, there is English language support available.
- Depending on the Android version, the user may get several different prompts to confirm access to the camera, Bluetooth (location services), Storage, etc.

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, the login will fail, and the application will not work.



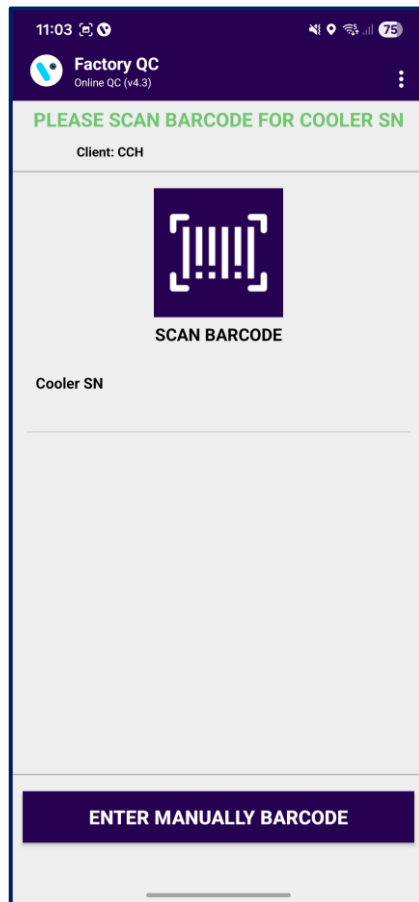
SELECT BOTTLER/CLIENT

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



SCAN COOLER SN

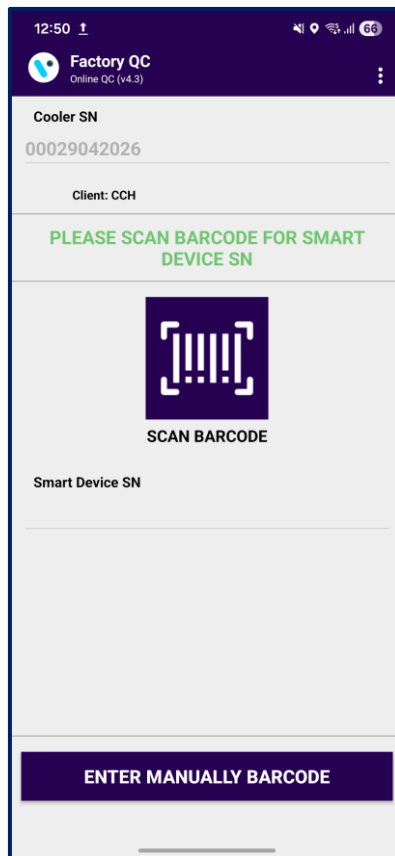
Tap on **SCAN BARCODE** and scan the barcode of the cooler. Cooler Serial Numbers could also be entered manually by tapping on the **ENTER MANUALLY BARCODE**.



SCAN SMART DEVICE SN

Start the Device Advertisement (Follow the Wake-Up Process based on the Selected Smart Device Type).

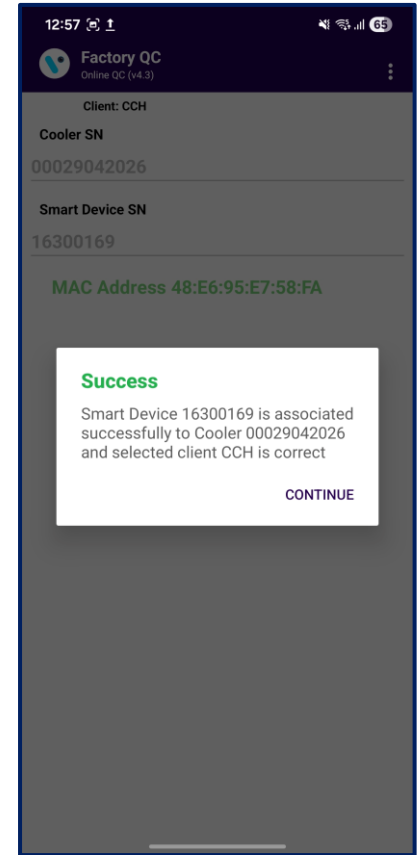
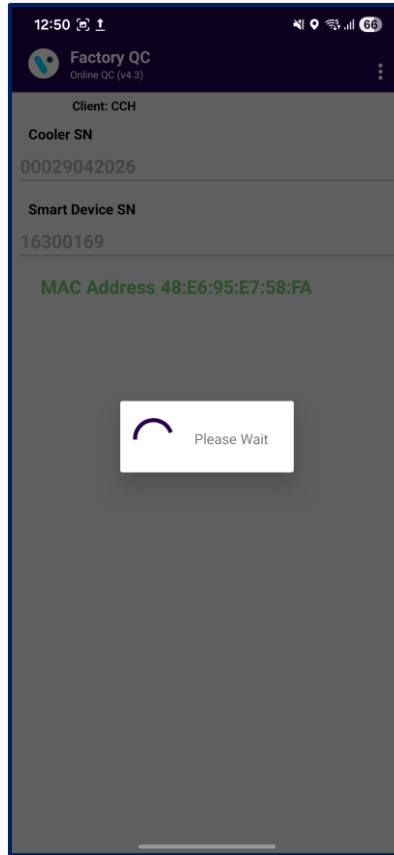
SCAN BARCODE for Smart Device Serial(BT SN) and scan the barcode of the Smart Device. Smart Device Serial Number could also be entered manually by tapping on **ENTER MANUALLY BARCODE**.



QC CHECK

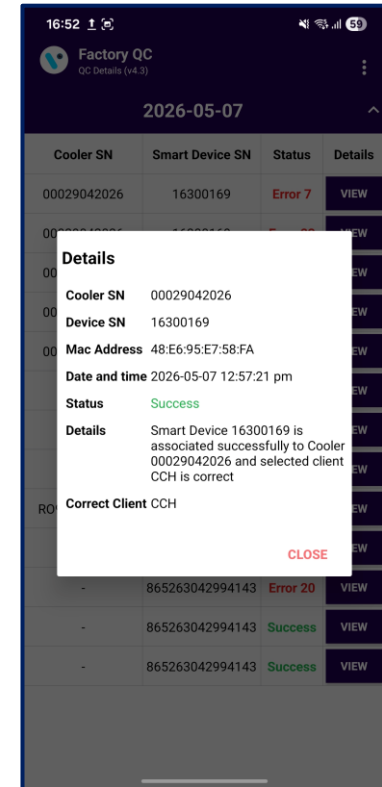
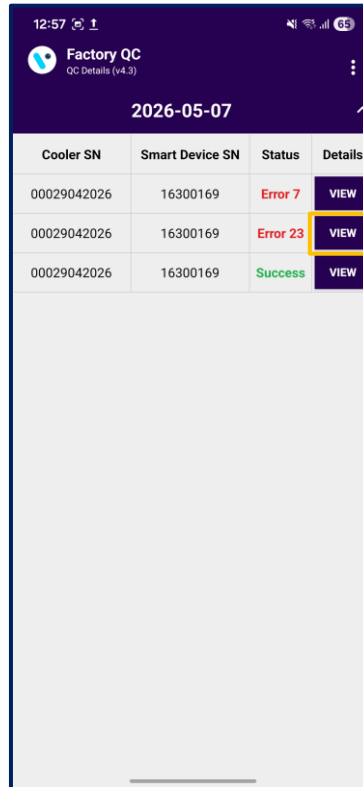
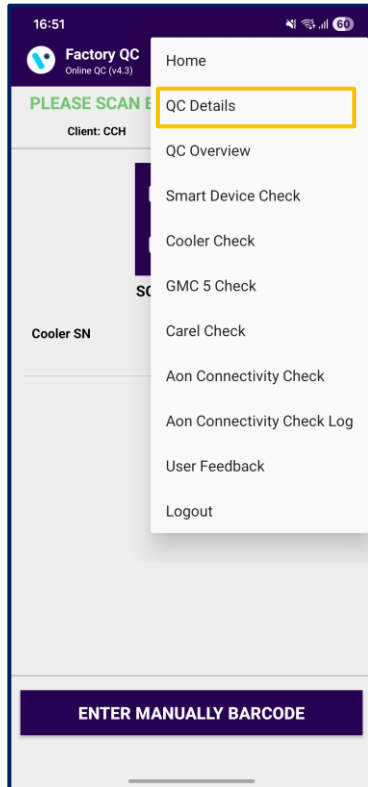
After the Smart Device Serial Number is successfully scanned, the application will check the association in the Vision IoT System. The following message will be shown if the association between the scanned cooler and the Smart Device are in the Vision IoT System.

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.



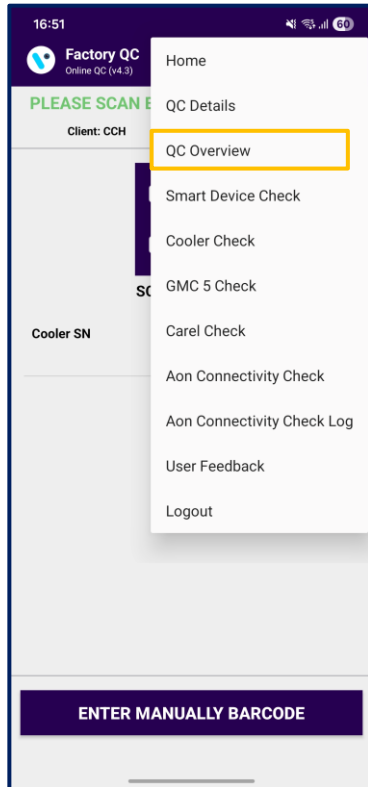
QC DETAILS

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



QC OVERVIEW

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

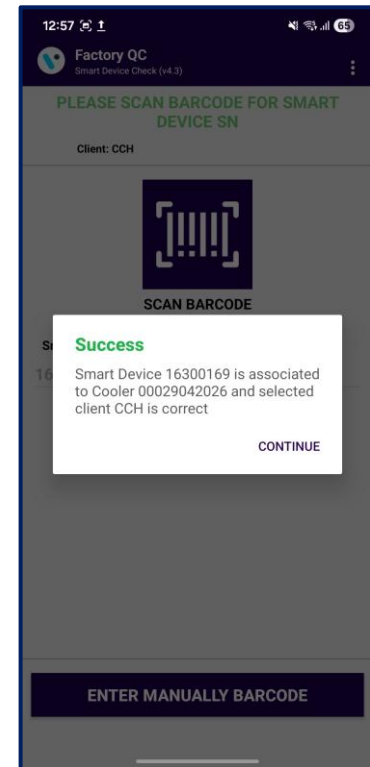
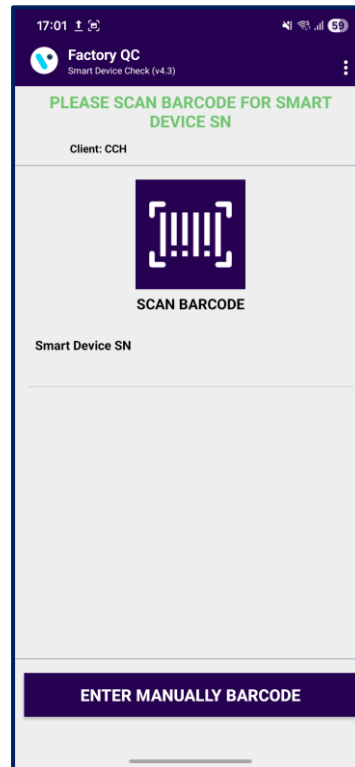
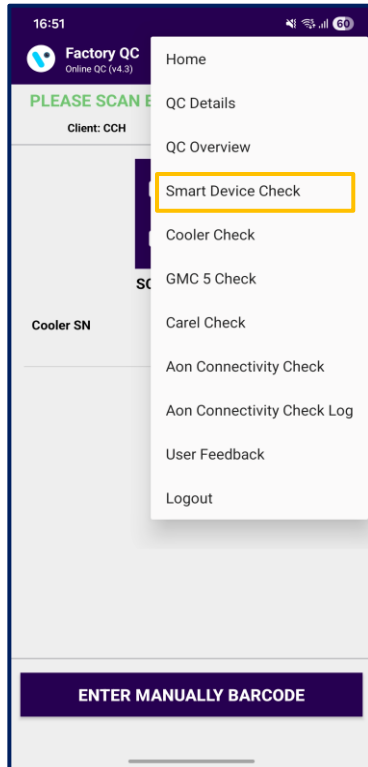


A screenshot of the QC Overview screen. The top status bar shows the time 12:57 and battery level 65%. The app header displays the 'Factory QC' logo and 'QC Overview (v4.3)'. Below the header, the date '2026-05-07' is displayed. The main content is a table with two columns: the first column lists status types (Success or Error followed by a number) and the second column shows the count.

Success	1
Error 7	1
Error 8	0
Error 10	0
Error 11	0
Error 12	0
Error 13	0
Error 14	0
Error 15	0
Error 20	0
Error 21	0
Error 22	0
Error 23	1

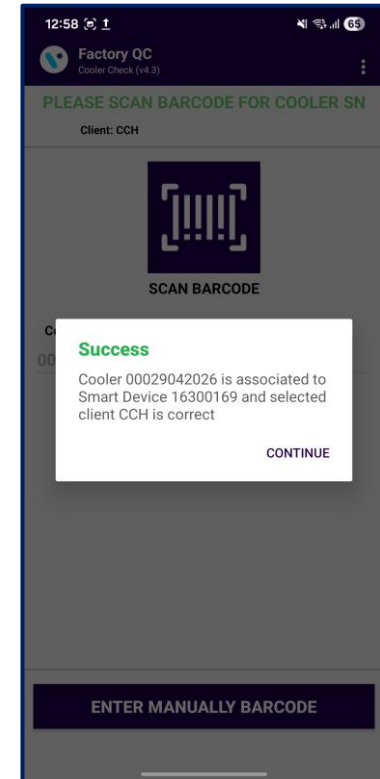
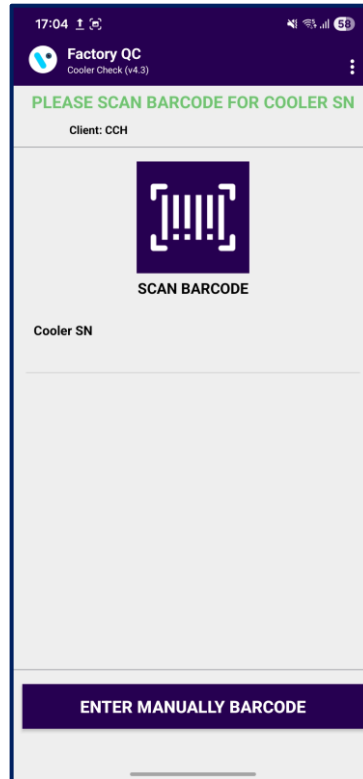
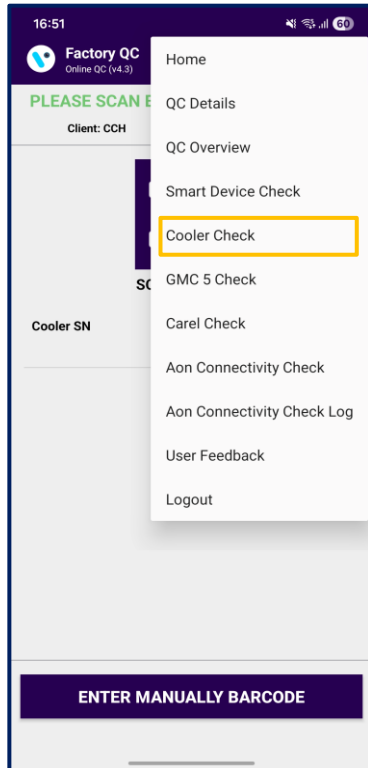
SMART DEVICE CHECK

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



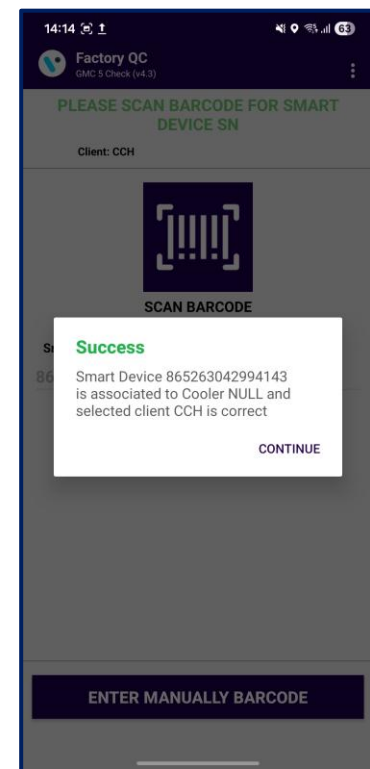
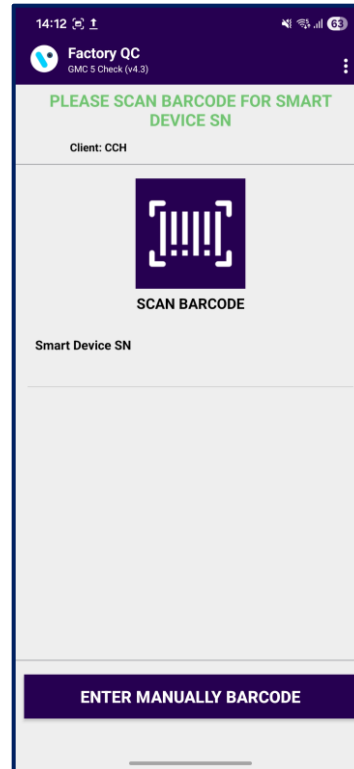
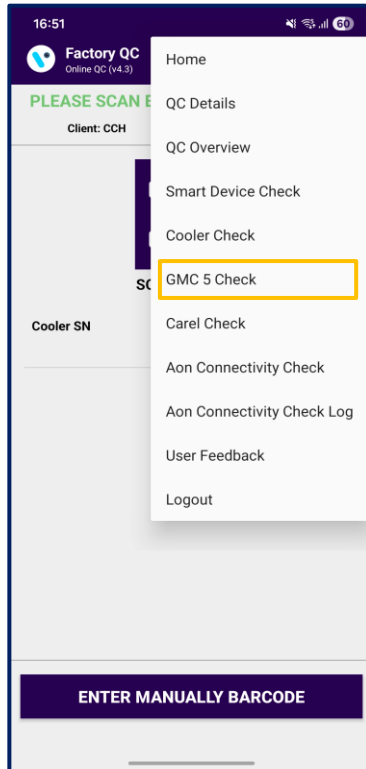
COOLER CHECK

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



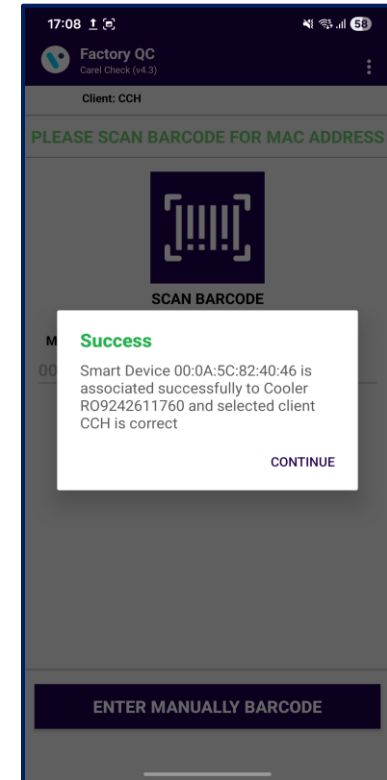
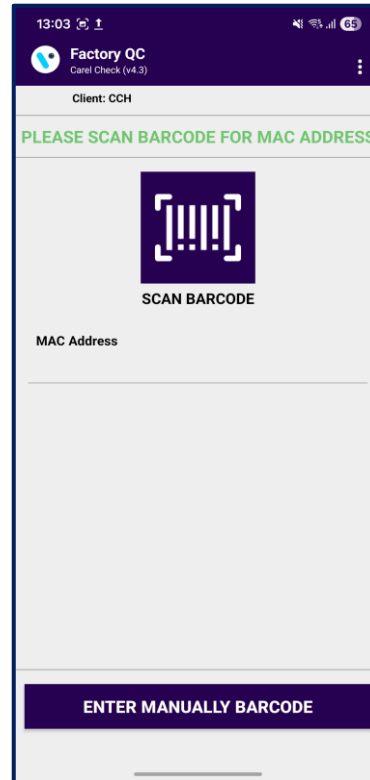
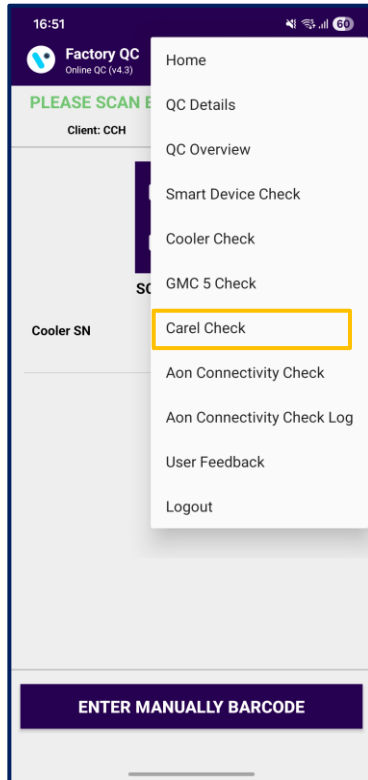
GMC5 CHECK

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



CAREL CHECK

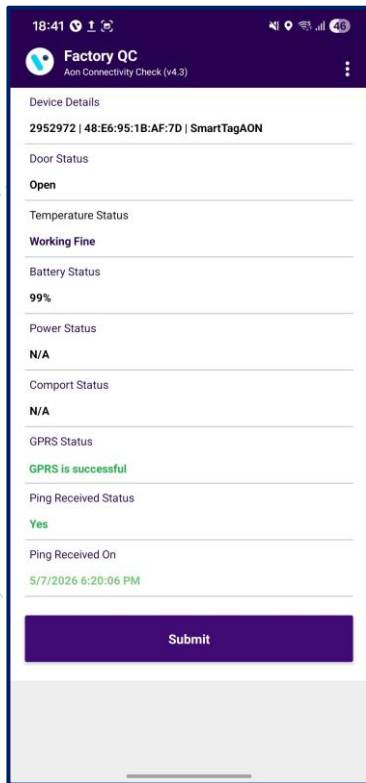
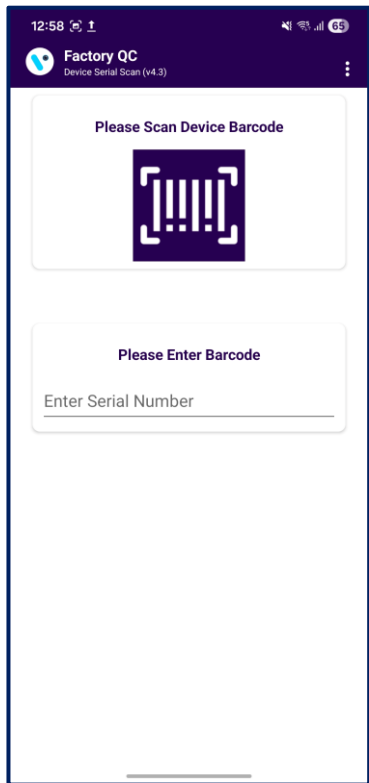
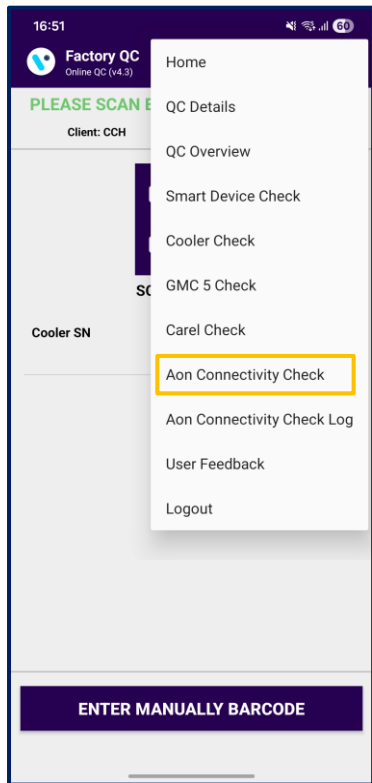
CAREL CHECK – To Show an Overview of the Carel Device, in the Carel Check Association.



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**.



For the Smart Tag AON Connectivity check, the user must associate the Smart devices within 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 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.

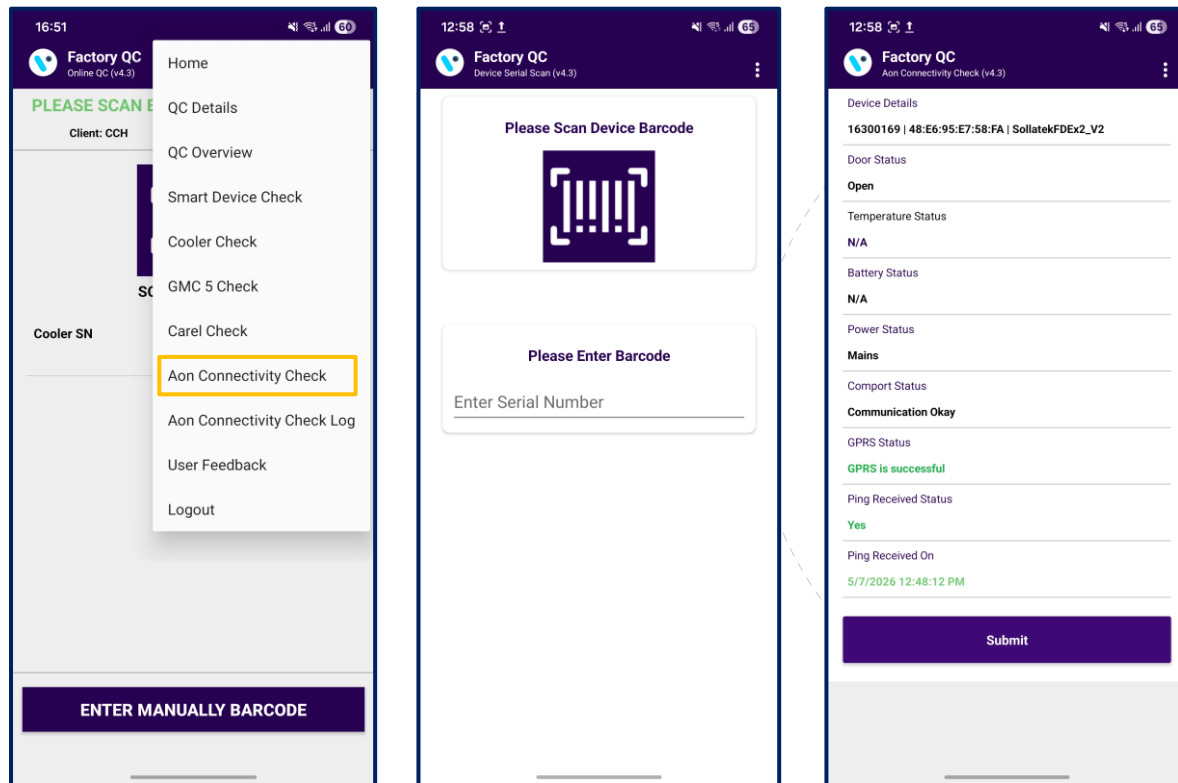
PURPLE LED* device in cellular mode phone application will not be able to connect, and the Device will not appear in the advertisement.



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:

The device must be powered for a minimum of 10 minutes before the AON Connectivity check.

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

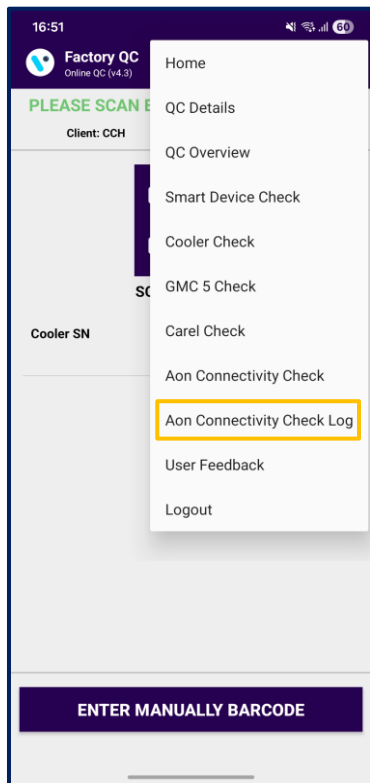
After checking the AON Connectivity of the Device, press the "SUBMIT" button to save the AON Connectivity Check Logs.

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

AON CONNECTIVITY CHECK PARAMETERS

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

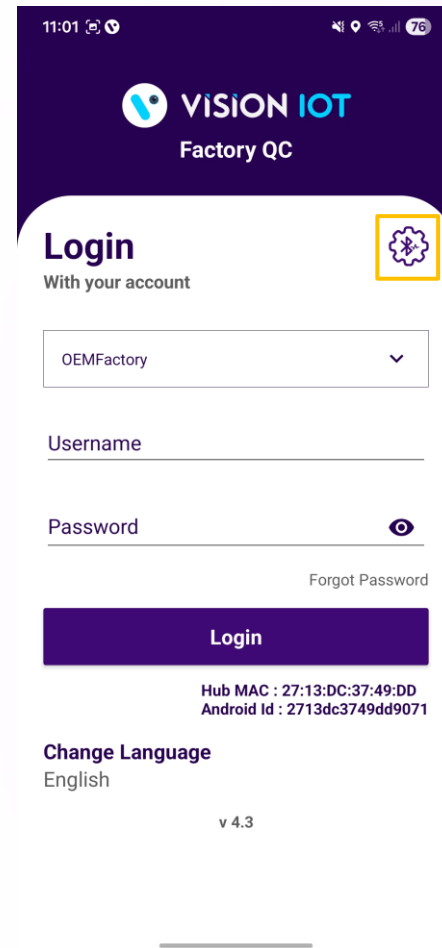
AON CONNECTIVITY CHECK LOG



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.

SMART TRACK BLE SCANNER



11:01 76

VISION IOT
Factory QC

Login
With your account

OEMFactory

Username

Password

Forgot Password

Login

Hub MAC : 27:13:DC:37:49:DD
Android Id : 2713dc3749dd9071

Change Language
English

v 4.3

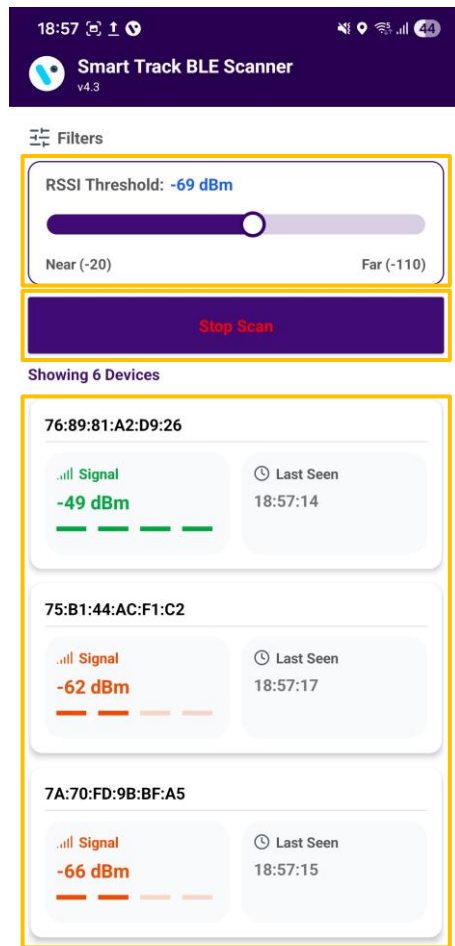
BLE SCANNER DASHBOARD

This screen represents the active BLE scanning interface, where nearby devices are detected and displayed on the screen.

RSSI Threshold: This defines the minimum signal strength required for a device to appear in the list.

Scan Control Button: Tapping this will stop real-time scanning, freeze the current device list

Device Summary: Total BLE devices currently detected and updated dynamically during scanning.



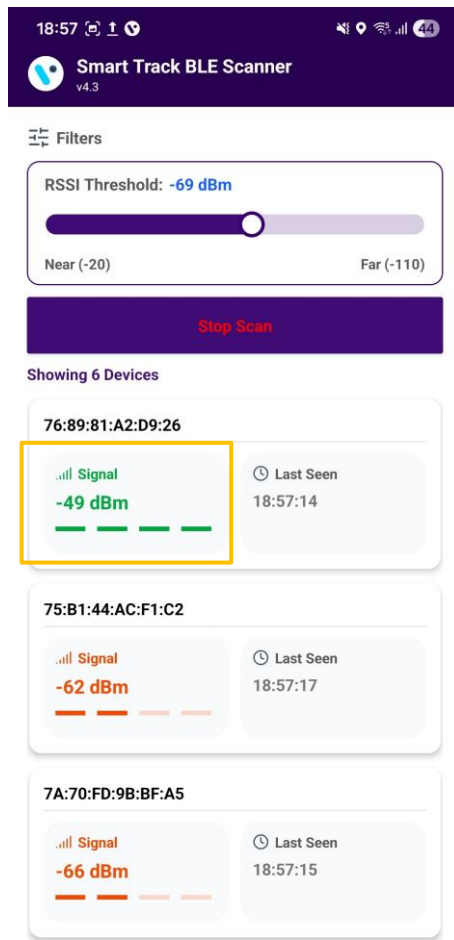
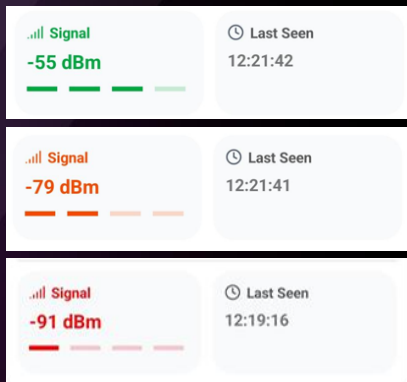
BLE SCANNER DASHBOARD

RECEIVED SIGNAL STRENGTH INDICATOR (RSSI)

- - 91 dBm → Weak signal
- - 76 dBm → Medium signal
- - 55 dBm → Strong Signal

Bars represent signal quality:

- More filled bars → Stronger signal
- Fewer bars → Weaker signal



MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
SUCCESS – Smart Device <SD SN> is associated successfully to Cooler <COOLER SN> and <CLIENT ID> is correct	The user scans the SD SN and Cooler SN, the scanned SD, and Cooler are associated successfully.	No Action Needed. All Working Fine.
ERROR 01 – Please check your internet connection and try again	No Internet	Check Internet/Wi-Fi Again.
ERROR 02 – Cannot connect to server, please try again	No Internet or server not available	The server is Down, Check after some time, Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
ERROR 07 – Smart Device <SD SN> and Cooler <COOLER SN> are not associated	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is not associated.	Scanned Cooler SN and Smart Device are not associated. Need to Do the Association process with a Factory Application again if not check with Relogging. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 08 – Smart Device <SD SN> is not associated and Cooler <COOLER SN> is not in the Portal	The user scans the SD SN and Cooler SN, the scanned SD is not associated, the scanned Cooler is not in the Portal.	Need to Do the Association process again with a Factory Application with a valid Cooler SN if not check with Relogging. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 10 – Smart Device <SD SN> is not in the portal and Cooler <COOLER SN> is not associated	The user scans the SD SN and Cooler SN, the scanned SD is not in the Portal, the scanned Cooler is not associated.	Need to Do the Association process again with a Factory Application with a valid Smart Device SN if not check with Relogging. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
ERROR 11 – Smart Device <SD SN> and Cooler <COOLER SN> are not in the Portal	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.	Need to Do the QC process again with a valid Smart Device SN and Valid Cooler SN if not check with Relogging in the Application. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 20 – Smart Device <SD SN> is associated successfully to Cooler <COOLER SN> and <CLIENT ID> is incorrect	The user scans the SD SN and Cooler SN, the scanned SD and Cooler are associated successfully, but the client is incorrect.	The selected Client in the QC Application is not matched with the Associated Data Client. The user must select Same Client in the QC Application also.
ERROR 21 – 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	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.	The user must select Same Client in the QC Application also, Scanned Cooler SN and Smart Device SN are associated with Different Smart Device SN and Cooler SN, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
ERROR 22 – 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	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.	Scanned Cooler SN and Smart Device SN are associated with Different Smart Device SN and Cooler SN, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 23 – Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and the <CLIENT ID> is correct	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 Devices Associated with Different Cooler SN and Scanned Cooler SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 24 – Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not associated and <CLIENT ID> is incorrect	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.	The user must select Same Client in the QC Application also, Smart Devices Associated with Different Cooler SN and Scanned Cooler SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
ERROR 25 – Smart Device <SD SN> is associated to <COOLER SN> and Cooler <COOLER SN> is not in the Portal and the <CLIENT ID> is correct	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 Devices Associated with Different Cooler SN and Scanned Cooler SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 26 – Smart Device <SD SN> is associated with <COOLER SN> and Cooler <COOLER SN> is not in the Portal and the <CLIENT ID> is incorrect	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.	The user must select Same Client in the QC Application also, Smart Devices Associated with Different Cooler SN and Scanned Cooler SN is not associated, Contact Support at support.iot@visiongroupretail.com . with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 27 – Smart Device <SD SN> is not associated and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is correct	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.	Cooler SN Associated with Different Smart Device SN and Scanned Smart Device SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
ERROR 28 – Smart Device <SD SN> is not associated and Cooler <COOLER SN> is associated to Smart Device <SD SN> and the <CLIENT ID> is incorrect	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.	The user must select the Same Client in the QC Application also, Cooler SN Associated with Different Smart Device SN and Scanned Smart Device SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 29 – 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	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.	Cooler SN Associated with Different Smart Device SN and Scanned Smart Device SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 30 – 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	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.	The user must select Same Client in the QC Application also, Cooler SN Associated with Different Smart Device SN and Scanned Smart Device SN is not associated, Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
SMART DEVICE CHECK		
SUCCESS – Smart Device <SD SN> is associated to Cooler <COOLER SN>	The user scans the SD SN, the scanned SD is associated with Cooler SN.	No Action Needed. All Working Fine.
ERROR 12 – Smart Device <SD SN> is not associate	The user scans the SD SN, the scanned SD is not associated.	The scanned Smart Device is not associated. Need to Do the Association process again if not check with Relogging in the Application. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 13 – Smart Device <SD SN> is not in the Portal	The user scans the SD SN, the scanned SD is not in the Portal.	Need to Do the Association process again with a valid Smart Device SN if not check with Relogging in the Application. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

MESSAGES – SUCCESS/ERROR MESSAGES

MESSAGE	MESSAGE DETAILS	SOP ACTION
COOLER CHECK		
SUCCESS – Cooler <COOLER SN> is associated to Smart Device <SD SN>	The user scans the Cooler SN, the scanned Cooler is associated with SD SN.	No Action Needed. All Working Fine.
ERROR 14 – Cooler <COOLER SN> is not associated	The user scans the Cooler SN, the scanned Cooler is not associated.	The scanned Cooler SN is not associated. Need to Do the Association process again if not check with Relogging in the Application. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.
ERROR 15 – Cooler <COOLER SN> is not in the Portal	The user scans the Cooler SN, the scanned Cooler is not in the Portal.	Need to Do the Association process again with a valid Cooler SN if not check with Relogging in the Application. Still Issue persists Contact Support at support.iot@visiongroupretail.com with a Real Image of the Installed Cooler SN and Application Screenshot.

THANK YOU



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