

WAREHOUSE V_5.7

NOVEMBER, 2021

APK V_5.7



Vision IOT – Private and Confidential



TABLE OF CONTENTS

CHANGELOGS

Version	Date	Author(s)	Description of Modifications
1.0	28.06.2019	DIMITER KYURKCHIEV	Initial Version



2.0	07.01.2020	ANASTAS BINCHEV	Updated Documentation and Application Version
2.1	11.03.2020	ANASTAS BINCHEV	Updated Documentation and Application Version
2.2	30.04.2020	KONSTANTIN TSANKOV	Updated Documentation and Application Version
3.0	01.06.2020	AKASH PANCHAL	Updated Documentation and Application Version
3.1	04.06.2020	DIMITER KYURKCHIEV	Updated Documentation and Application Version
3.2	05.08.2020	AKASH PANCHAL	Updated Documentation and Application Version
3.3	21.08.2020	AKASH PANCHAL	Updated Documentation and Application Version
3.8	01.04.2021	AKASH PANCHAL	Updated Documentation and Application Version
4.0	02.04.2021	AKASH PANCHAL	Updated Documentation and Application Version
4.9	12.08.2021	AKASH PANCHAL	Updated Documentation and Application Version
5.7	23.11.2021	AKASH PANCHAL	Updated Documentation and Application Version

PURPOSE

- + Create new associations between coolers and smart devices.
- + Data download and remove associations of smart devices for coolers.
- + Change FFA/JEA Controller parameters.
- + Check the cooler status of smart devices for coolers.



+ Check the Smart Device Advertisement Status.

KNOW BUGS

+ **SCAN COOLER SCREEN:** Carel devices can not be scanned with the Barcode button.

DEFINITION(S) AND ABBREVIATION(S)

NAME

ABBREVIATION



BLE	Bluetooth Low Energy
FFA	Sollatek FFA Controller
JEA	Sollatek JEA Controller
FFX	Sollatek FFX Smart Device
Cooler SN	Cooler Manufacturer Serial Number (example RO924611919)
Technical ID	CCH Barcode on the cooler (example: 04280000106331)

INTRODUCTION

Application will:

- + Create new associations between smart devices and coolers.
- + Download the cooler's data and upload it on the cloud.
- + Data download and remove associations of smart devices for coolers.
- + Change Controller (FFA/JEA) parameters of the coolers.
- + Check the cooler status of smart devices for coolers.
- + Check the Smart Device Advertisement Status.

NSTALLATION OF WAREHOUSE PHONE APPLICATION (VERSION 5.7)



- 1. Download application form Google's Playstore. Search "WAREHOUSE EBEST" and download and then Install the application. <u>Link</u>
- Click on the WAREHOUSE application icon. It will launch the application.
 <u>Note:</u> Before launching the application, please ensure that Bluetooth & Internet connection are enabled.

6:40	🕩 💎 🗋 37%	10:16 ∰ ⊈B	Წ 🦁 🕩 🔽 🔒 63%	2:23	0 💿 🕈 🛙 १%
		øB	Best		©Best
		Please select server	r.first.	Pleas	e select server first. ATOS Codex Vision lot QA Dev Frigoglass China
		Change Language English	Forgot Password	0	Atos Retail

- Drop-down menu containing list of available servers is visible. Chose the one the user is assigned to.
- If a user is logging for the first-time **Username** (User ID) and **Password** should be entered, and language should be chosen. The username and password are case-sensitive.
- To change the language, tap on **Change Language** and select the appropriate one for you. Currently, there is English, Macedonian, and Italian 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.



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

5:17 9 B	🔞 🕶 🖍 🖉 41%	5:20 &B	🗇 🔍 🕀 🗨 🖉 44%	5:21 %	🔞 🕕 🗨 🖬 45%
Ø	Best	ø	Best	øB	est
ATOS Codex Atos LTech	LOGIN V5.7 Hub MAC : 5A:34:1A:B5:DA:52	ATOS Codex Akash_Tech Request fo	r unassigned deylce page 1/7 VS.7 Hub MAC: SA:34(1A:B5:DA:S2	ATOS Codex Akash_Tech Unassigned successfull	device page download /7/7 Vb5 MAC: 56.34.14.B5.04.52
Change Language English	Android IIS / AB5440133654101	Change Language English	Androic is: Jacobiou (3403401) Forgot Password	Change Language English	Andreid 10 7405400153034001

3. After successful login, the following screen will appear. Please choose an **ACTION** from the list as per the required operation.





ASSOCIATE SMART DEVICE TO COOLER

A. ASSOCIATE SMART DEVICE

- + After successful login select **ASSOCIATE SMART DEVICE TO COOLER** option for associating a smart device with a cooler.
- Please choose one of the two options and tap on NEXT (see second screenshot). Note Sollatek Devices associated within the warehouse will be put into deep sleep mode automatically after the association is completed.
- After choosing one of the two options the following screen will appear. If a SmartTag will be associated then please choose SMART TAG and click on START.
 Note: Select Device Type as Per Smart Device Type Which needs to be associated.

10:23 🔅 🥵 🔞 🔿 🖓 🕼	10:39 🕸 👷 🔞 🔞 🐨 🕶 🕯 58%	10:25 4D 💎 🔒 90%
Warehouse :	Sof Warehouse :	B Device Selection
CHOOSE ACTION	PLEASE SELECT WHERE ARE YOU DOING ASSOCIATION WAREHOUSE OUTLET NEXT	PLEASE SELECT DEVICE FOR ASSOCIATION SMART TAG SOLLATEK FFMB SOLLATEK GBR1 SOLLATEK FFX
ASSOCIATE SMART DEVICE TO COOLER SCAN COOLER (DATA DOWNLOAD AND REMOVE ASSOCIATION) CHANGE FFA SETTINGS(FFA) CHECK COOLER STATUS SCAN NEARBY DEVICES		 SOLLATEK FFM2BB SOLLATEK FFXY



Scan the barcode of the cooler - Select which identification method you will use for the association and then click on the **SCAN BARCODE** icon or **ENTER THE ID MANUALLY**.

+

3:55	0 💎 (32%
Scan Coc	oler SN / Technical Id	
PLEASE SCA CHOOSE WHAT © Cooler SN O Technical COOLER SN OR	N BARCODE FOR COOLER SN OR TECHNICAL ID	
EN	TER MANUALLY BARCODE	

GROSS VOLUME 265 L NET VOLUME 214 L REFRIGERANT R600a 0.08 Kg DESIGN PRESSURE L/H = 15bar / 30bar AUSLEGUNGSDRUCK "To be erviced by authorized personal" "Wartung ducte autohiserter personal ubernommer zu werden" (01)05212004310879(21)R02781695492	2012 / 15 % Pr- soraes 2012 / 15 % Pr- soraes
Lamp's replacement only by aut	WARNUNG



 After opening and closing the door of the cooler to wake up the SmartTag, tap again on SCAN BARCODE and scan the barcode of the SmartTag. SmartTag Serial Number could be also entered manually by taping back and taping on ENTER MANUALLY BARCODE. On this screen, the Cooler Serial Number which was scanned in the previous step could be seen.





After the SmartTag Serial Number is successfully scanned the following screen will be shown. It
will initialize the association process and respectively show a success message.



- +
- + If the latest Firmware Version of the Smart device is available then DFU will happen first and then the association process will initialize.

If Scanning Timer reaches 30 seconds open and close 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.

12:39 🕕 💎 🔒 59%	12:39 🕀 🗢 🖨 59%
Smart Tag Association	Smart Tag Association
Cooler SN/Technical Id	Cooler SN/Technical Id
RU2345	RU2345
BT SN	BT SN
2247951	2247951
MAC Address : 48:E6:95:10:ED:80	MAC Address : 48:E6:95:10:ED:80
> Device Status : DISCONNECTED	Device Status : CONNECTED
Firmware :	Firmware : 3.05
🔁 Connecting	Connected
Set RTC	Set RTC
😏 Update Heartbeat Interval	S Update Heartbeat Interval
Update Advertisement Frequency	S Update Advertisement Frequency
S Update Global TXPower	S Update Global TXPower
S Enable iBeacon and Eddystone Frame	Senable iBeacon and Eddystone Frame
S Configure iBeacon UUID	S Configure iBeacon UUID
S Configure iBeacon Major Minor	S Configure iBeacon Major Minor
🕓 Configure iBeacon Broadcast	Sconfigure iBeacon Broadcast
S Configure Eddystone UID	Configure Eddystone UID
S Configure Eddystone UID Broadcast	S Configure Eddystone UID Broadcast
Configure Connecting To: 2247951	S Configure Eddystone URL
Configure Eddystone URL Broadcast	Configure Eddystone URL Broadcast

 After a successful association of a cooler with a smart device and the successful upload of that association to the cloud an **OK** message is shown.



12:39 🕐 💎 🔒 59%	12:39 🔿 🌪 🖨 59%
Smart Tag Association	Smart Tag Association
Cooler SN/Technical Id	Cooler SN/Technical Id
RU2345	RU2345
BT SN	BT SN
2247951	2247951
MAC Address : 48:E6:95:10:ED:80	MAC Address : 48:E6:95:10:ED:80
* Device Status : CONNECTED	* Device Status : CONNECTED
Firmware : 3.05	Firm
Fail 0 Success 0 Status 1/1 Status 1/1 Success 0 Succes 0 Success 0 Success 0 Success 0 Success 0 Success 0 Success	Construction Const
S Update Advertisement Frequency	
Supdate Global TXPower	Supdate Global TXPower
S Enable iBeacon and Eddystone Frame	Senable iBeacon and Eddystone Frame
S Configure iBeacon UUID	S Configure iBeacon UUID
S Configure iBeacon Major Minor	S Configure iBeacon Major Minor
S Configure iBeacon Broadcast	🥝 Configure iBeacon Broadcast
S Configure Eddystone UID	Configure Eddystone UID
S Configure Eddystone UID Broadcast	Sconfigure Eddystone UID Broadcast
S Configure Eddystone URL	Sconfigure Eddystone URL
Configure Eddystone URL Broadcast	Configure Eddystone URL Broadcast

B. LOGS

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 will appear. If there is no data for upload a prompt saying that will be shown.

12:45	O 💎 🔒 57%	12:45	🕑 💎 🔒 57%	12:45	
Device Selection	Home	Upload Asso		Contraction D	ata i
PLEASE SELECT DEVI	Upload Association Data	DO NOT CLOS ASSOCIATION	E OR KILL APP WHILE I DATA UPLOADING	DO NOT CLOSE OR KILL ASSOCIATION DATA UP	APP WHILE
SMART TAG	Success Association Info	CURRENT OFFLINE ASSO	CIATED DEVICE COUNT	CURRENT OFFLINE ASSOCIATED DEVI	CE COUNT
SOLLATEK FFMB	Association Overview	CURRENT UPLOADED ASS	SOCIATED DEVICE COUNT	CURRENT UPLOADED ASSOCIATED DE	EVICE COUNT
SOLLATEK GBR1	User Feedback	0 CURRENT FAIL TO UPLOA	D ASSOCIATION DEVICE COUNT	0 CURRENT FAIL TO UPLOAD ASSOCIAT	TON DEVICE COUNT
SOLLATEK FFX	Logout	0 No	OK pad	0 🚰 No Association data is avai	lable for upload
SOLLATEK FFM2BB		No Associa available fo	tion data is r upload		
SOLLATEK FFXY					
STA	ART				



+

 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**.



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



12:45	🕩 💎 🔒 57%	12:46	
B Device Selection	Home	Section Overview	
PLEASE SELECT DEVI	Upload Association Data	2021-08-19	
SMART TAG	Success Association Info	ок	1
SOLLATEK FFMB	Failure Association Info	Fail	0
	Association Overview	Total Number	1
O SOLLATER GBRT	Logout		
SOLLATEK FFX			
O SOLLATEK FFM2BB			
SOLLATEK FFXY			
STA	RT		

SCAN COOLER (DATA DOWNLOAD AND REMOVE ASSOCIATION)

A. SCAN COOLER

 Users can download data from a Smart device by scanning Cooler CN or Technical ID. Also to remove associations of smart devices from coolers.
 Note: The process of data download and remove association is the same for all the Smart devices.





+ Using SCAN COOLER (DATA DOWNLOAD AND REMOVE ASSOCIATION) users can Perform:

I. DATA DOWNLOAD

+

- + Users can identify particular assets by **SCAN BARCODE** Cooler SN or Technical ID.
- The user can also search by ENTER MANUALLY BARCODE for entering Cooler SN or Technical ID. (Image 1).
- + Information about the asset is presented. (Image 2).
- + Tap on the smart device from which data needs to be downloaded. (Image 3).



3:55 🕩 💎 🕅 32%	2:28 D 💎 🗋 32	% 2:28 D 💎 🗋 32%
Scan Cooler SN / Technical Id	eB Warehouse	: Warehouse :
PLEASE SCAN BARCODE FOR COOLER SN OR TECHNICAL ID	Cooler SN	Cooler SN Information Retrieved Successfully
SCAN BARCODE	Smart Device Type SmartTap50_V3 Smart Device SN 2247951 Cooler SN RU2345	Smart Device Type SmartTag5G_V3 Smart Device SN 2247951 Cooler SN RU2345
CHOOSE WHAT TO SCAN © Cooler SN		
O Technical ID		
COOLER SN OR TECHNICAL ID		
ENTER MANUALLY BARCODE	TAP TO DOWNLOAD DATA	TAP TO DOWNLOAD DATA

+ Tap on **TAP TO DOWNLOAD DATA** to start data download from smart device.

2:28	🕩 💎 🗋 32%	2:28	🕩 💎 🗎 31%	2:28	
⊗B Warehouse	8	See Warehouse	:	See Warehouse	
		Data download in p	progress	Data upload in p	FG:05:10
Device Status : DISCONNECTED MAC Address: 48:E6:95:10:ED:80				Uploading Data For: 48:	E0:95:10:
		Please wai			
2247951 Attempting to start service disc	overy	Data is being dow	whioaded		
		100%			
Connecting To : 2247951		Connected		Disconnecte	d



+ If Cooler SN or Technical ID is invalid then the application will give an error message which is visible in the image below.



- + After the data is successfully downloaded from the smart device below screen will appear.
- Users can SCAN NEW COOLER or enter manually Cooler SN or Technical ID as shown in the below image.





II. REMOVE ASSOCIATION

- After the Data Upload process is completed below screen will appear, where the association can be removed, to do so click on the **REMOVE ASSOCIATION OF SCANNED COOLER** button.
- Click on **REMOVE ASSOCIATION** to remove device association from the cooler as shown in the image below.





- + A pop-up message will appear prompting to remove the association. Click the **REMOVE** button to remove the association of the device or **CANCEL** not to remove the association.
- After removing the association successfully, a pop-up window will prompt you to confirm, click on the OK button.





 If the device is not found within the next 60 seconds the user will be prompted to Retry the scan for the device or to remove the association. This might happen when a device has a low or no battery charge or some other issue. Clicking on **RETRY** will again scan for the device.

2:53		0 • 0	249
Ser- Warehou	ise v4.9		
Smart Device the Smart De	e not found, please wice and try again	try to wake up	
Scanning runer	RETRY REM	IOVE ASSOCIATION	

- + Choosing Remove association will bring you back to the **First Point** of the current section and removal of the association will be possible.
- **B. LOGS**
- + **DOWNLOAD LOGS** To all the data that is downloaded, tap on the hamburger menu in the upper right corner and then tap on **DATA DOWNLOAD LOGS**.



2:45	🕩 💙 🗋 27%	2:29	0 🕈	2:29	🕩 💎 🗋 31%
Scan Cooler SN	Home	Ownload the	e data logs		d the data logs
PLEASE SCAN BARCO TECHN	Download Logs	202	1-08-19		2021-08-19 ^
_	Remove Association Logs	Cooler SN/Technical	Smart Device SN De	etails Cooler SN/Techr	ical Smart Device SN Details
	Upload Data	Test7	2247951	Test7	2247951 VIEW
	User Feedback	· · · · · · · · · · · · · · · · · · ·		1122334414	2247951 VIEW
SCAN BA	Logout			Technical ID	Test7
CHOOSE WHAT TO SCA				Cooler SN	Akash7
Cooler SN				Smart Device SN	2247951
O Technical ID				MAC Address	48:E6:95:10:ED:80
COOLER SN OR TECHNIC	CAL ID			Data Downloa	d Yes
-				Data Downloa Time	^d 2021-08-19 12:08:51 PM
					CLOSE
ENTER MANUA	LLY BARCODE				

 REMOVE ASSOCIATION LOGS - To check the removed association, tap on the hamburger menu in the upper right corner and then tap on REMOVE ASSOCIATION LOGS.

2:45	(D) 💎 🗋 27%	2:29	🛈 💎 🗋 31%	2:29	🕀 💎 🗋 31%
Scan Cooler SN	Home	Remove As	sociation Logs	Semove A	
PLEASE SCAN BARCO TECHN	Download Logs	20	21-08-19 ^	2	.021-08-19 ^
	Remove Association Logs	Cooler SN/ Technical Id	Smart Device SN Details	Cooler SN/ Technical Id	Smart Device SN Details
	Upload Data	Test7	2247951	Toet7	2247051 VIEW
	User Feedback			Technical ID	Test7
SCAN BA				Cooler SN	Akash7
CHOOSE WHAT TO SCA	Logout			SN	2247951
Cooler SN				MAC Address	48:E6:95:10:ED:80
O Technical ID				Removed Successfully?	Yes
COOLER SN OR TECHNIC	CAL ID			Remove Association Time	2021-08-19 12:22:39 PM
				Response	{"success":true,"isGateway":fa lse,"message":"Cooler Akash7 association deleted"}
					CLOSE
_					
ENTER MANUA	LLY BARCODE				
COOLER SN OR TECHNIC	LLY BARCODE			Successfully? Remove Association Time Response	2021-08-19 12:22:39 PM ("success":true,"isGateway":fa lse;"message":"Cooler Akash7 association deleted"} CLOSE

 UPLOAD DATA - If any network error or loss of the internet connection occurs during download, the data will be stored in the application. After getting proper internet connection click on the



UPLOAD DATA button to upload the data stored in the application. **Note**: Do not close the application while data is uploading.



CHANGE FFA SETTINGS(FFA)

 Change specific controller parameters via the Warehouse application. To change specific parameters of the FFA controller for Sollatek device types.



List of Supported Device to Change FFA Settings:

- Sollatek FFM2BB FFA • Sollatek FFM-B -FFA • Sollatek FFX _ FFA / JEA • Sollatek FFXy -FFA / JEA • Sollatek GBR3 FFA -Sollatek JEA JEA _
- JEA JEA
- Below FFA/JEA Parameters are available for change using CHANGE FFA SETTING (FFA) functionality.
 - dnl Normal mode cut-in value Day Mode
 - dnO Normal mode cut-out value Day Mode
 - nnl Normal mode cut-in value Night Mode
 - nnO Normal mode cut-out value Night Mode
 - dF3 Defrost Start Interval In Hours
 - dF4 Defrost End Interval In Minutes
 - LO Enable Light Regulation by Logic
- + Choose the **CHANGE FFA SETTING(FFA)** option to update the FFA/JEA Parameters of smart devices.
- Users can identify particular assets by SCAN BARCODE by Cooler SN or Technical ID. The user can also search by ENTER MANUALLY BARCODE of Cooler SN or Technical ID.
- Information about the asset is presented for changing FFA/JEA parameters and by tapping on the Parameter the user can change the values of the FFA parameters.





+ By tapping on the parameter, the user can change the values of the FFA parameter and after successfully changing the FFA parameter success message will appear.

13:00 🐵 🛛 🕫 🎎	88I % (🗇	12:59 🔤	口本證 湖 川 "	d 🖅	13:00 😡	0 * 0	2.21 XtBI ***
Change FFA Settings(FFA)	:	Change FFA Setti	ngs(FFA)	i É	Change FFA S		
Firmware Version: 3.02	LA	CHANGE CONTROLLER Cooler SN:	PARAMETERS ON RU0211		X Device Status:	Connected	
A Device Status: Connected		Technical ID: Smart Device SN:	mona_test 1652343		Connected		
Connected		MAC Address: Smart Device Type :	48:E6:95:07:D6:E8 Sollatek JEA	3	Normal Mode Cut-ir Model(dnl)	1 Value - Day	-2.5
Normal Mode Cut-in Value - Day Model(dnl)	-2.5	Firmware Version:	3.02	_	Normal Mode Cut-o		
Normal Mode Cut-out Value - Day Model(dnO)	-3.5	Normal mode cut-i Mode(dnl)(°C)	a value – Day	-	Warehouse	e	+3,5
Normal Mode Cut-in Value - Night Model(nnl)	-4.5	-39.5		-	Results are u	ploaded succe	esstully.
Normal Mode Cut-out Value - Night Model(nnO)	-5.5	Min: -40	Max: 4 SET	10	Defrost Start Interv	al (uP3)(in hour	ок s) 240.0
Defrost Start Interval (dF3)(in hours)	240	Normal Mode Cut-in Val	ue - 6.0		Defrost End Interva minutes)		
Defrost End Interval (dF4)(in minutes)	120	Normal Mode Cut-out V	alue - 30		Enable Light Regula	ition by	
Enable Light Regulation by Logic(L0)		Night Model(nnO)			Logic(L0)		
		Defrost Start Interval (di	3)(in hours) 10		LO		
LOAD SETTINGS		Defrost End Interval (dF- minutes)	4)(in 15				
= 0	4				Ξ		



CHECK COOLER STATUS

- Use CHECK COOLER STATUS to check specific smart device current sensor data, FW version info, and DFU functionality if the latest Firmware is available for the Scanned Cooler.
- Users can identify particular assets by SCAN BARCODE by Cooler SN or Technical ID. The user can also search by ENTER MANUALLY BARCODE of Cooler SN or Technical ID.





Information about the asset is presented to check the cooler status.

4:50	0	• 💎 🗳 67%	4:59	🛈 💎 🖞 70
Check Cooler St	atus		Check Cooler S	Status
Cooler SN R(00305		Cooler SN	Akash7
Technical ID			Technical ID	Test7
Smart Device SN 22	247951		Smart Device SN	2247951
MAC Address 48	3:E6:95:10:ED:80		MAC Address	48:E6:95:10:ED:80
Smart Device Type Sr	martTag5G_V3		Smart Device Type	SmartTag5G_V3
Device Found 48:E6:9	5:10:ED:80		Connected	
Door Status	Open		Door Status	Close
Battery Status	95%	19	Battery Status	95%
FW Status	3.03	水三	FW Status	3.03 🔺 🕺
Coff		pressor	Conf	Compressor N/A
Fan N/A	N/A Powe	r	Fan N/A	Power N/A
Alarm N/A	Contro Status N/A	oller s	Alarm N/A	Controller Status
Voltage 3.6V	Cabin 29 °C	et Temp		Cabinet Tem

+ Below is the data which is shown on the CHECK COOLER STATUS screen:

Showing for EBEST Smart device:

+ BATTERY STATUS – Showing Battery Status HIGH, MEDIUM, POOR

Showing for EBEST and SOLLATEK Smart device:

DOOR STATUS – Showing Door status OPEN or CLOSE



 FW STATUS – Showing FIRMWARE VERSION and UPDATE option + LIGHT – Showing LIGHT ON/OFF status

Showing for SOLLATEK Smart device:

- + COMPRESSOR Showing Cooler COMPRESSOR ON/OFF status
- + FAN Showing Cooler FAN ON/OFF status
- + **POWER** Showing Smart device POWER Status **MAINS/BATTERY**
- + ALARM Showing Cooler Alarm COUNT in Status
- **CONTROLLER STATUS** Showing Cooler Controller Status **OK /NOT OK**
- VOLTAGE Showing Cooler Voltage in VOLT
- CABINET TEMP Showing Cooler Cabinet Temperature in CELSIUS
- + GPRS STATUS Showing SUCCESSFUL GPRS CONNECTION in status
- + LAST GPRS ACTIVITY Showing LAST GPRS ACTIVITY DATE-TIME in Status

A. DFU

- The DFU (Direct Firmware Upgrade) of the Smart device can be performed by clicking on the Update notification as shown in Image 1.
- After performing the DFU update operation user can see the DFU Upgrade Process as shown in Image 2.





5:35 🛓 🛛 🔿 💎	0 89% 5:35 <u>1</u>	O 🕈 🕻 89%	5:35	O 🕈 🕻 89%
Check Cooler Status	Check Cooler Status		Check Cooler Status	
Cooler SN Akash7 Technical ID Test7 Smart Device SN 2247951 MAC Address 48:65:95:10:E0:80 Smart Device Type Smart1ag56_V3	Cooler SN Akash Technical ID Test7 Smart Device SN 22479 MAC Address 48:65 Smart Device Type Smart	7 51 5510:ED:80 ag56_V3	Cooler SN Technical ID Smart Device SN MAC Address Smart Device Type	Akash7 Test7 2247951 48.E6:95:10:ED:80 SmartTag5G_V3
Disconnected DO NOT CLOSE DIALOG WHILE DFU IS IN PROGRESS Dot Serial: SBC-ST104402247951 Bat MAC: 48:E6-95:10:ED:80 FW FW Version: 3.03	Disconnected Do NOT CLOSE DIALOG WH DO Serial: SBC-ST104402247951 Bai MAC: 48:E6-95:10:ED:80 EW FW Version: 3.03	ILE DFU IS IN PROGRESS	Disconnected Door Status Bi Warehouse DFU Successful	Close
Starting DPU Fan Power N/A N/A Controller N/A Controller Status T/A Voltage Cabinet T DV Cabinet T 270	Updating Firmware 100% Fan N/A Image: A state of the state o	Power NA Controller Status NA Cabinet Temp	Fan N/A N/A Alarm N/A Voltage	N/A Power N/A Controller Status V/A Cabinet Temp 200

 After the successful DFU process is complete user can see the Upgraded FW version of the smart device as seen in Image 4.

5:35	🕩 💎 🖞 89%
Check Cooler S	Status
Cooler SN	Akash7
Technical ID	Test7
Smart Device SN	2247951
MAC Address	48:E6:95:10:ED:80
Smart Device Type	SmartTag5G_V3
Connected	
Door Status	Close
Battery Status	95%
FW Status	3.05
·Q: Light	Compressor N/A
Fan N/A	N/A Power
Alarm N/A	Controller Status N/A
4 Voltage	Cabinet Temp 29°C

SCAN NEARBY DEVICES

+ Scan Nearby Devices functionality can be used for checking the advertisement of the smart device in Bluetooth range.



As shown in the first image there is a list of all available smart devices that are coming into range.
 Users can search the Smart device with help of the Scan Barcode option or Manual Enter option.
 The scanned result will be shown as in the last image.

SCAN INSIGMA SMART DEVICE



SCAN CAREL SMART DEVICE

 Users can search for smart device with the help of Scan Barcode option or Manual Enter option only with the MAC Address of a Carel device.



+ The scanned result will be shown as the last image.

Note: User can search Wellington Smart device and Nexo device using Device Name.





LIST OF ERRORS, ALERTS, AND OK MESSAGES

DETAILED MESSAGE	SHORT MESSAGE	USER STOR



SCAN COOLER		
Cooler SN or Technical ID <cooler sn=""></cooler> is associated with Gateway <gw sn=""></gw>	Error 101	If Cooler is available in the portal and not associated with any smart device but associated with any gateway.
Cooler SN or Technical ID <cooler sn=""></cooler> is associated with Smart Device <sd sn=""></sd>	Error 102	If Cooler is available in the portal and not associated with any gateway but associated with any smart device.
Cooler SN or Technical ID <cooler sn=""></cooler> is associated with Gateway <gw sn=""></gw> and Smart Device <sd sn=""></sd>	Error 103	If Cooler is available in the portal but associated with Smart Device and the gateway.
Cooler SN or Technical ID <cooler sn=""></cooler> does not exist in portal	Error 104	If the cooler does not available in the portal.
Duplicate Cooler SN on cloud, try with the Technical ID or check with the Support Staff	Error 110	Duplicate Cooler SN on a cloud, try with the Technical ID or check with the Support Staff
Duplicate Technical ID on cloud, try with the Cooler SN or check with the Support Staff	Error 111	Duplicate Technical ID on a cloud, try with the Cooler SN or check with the Support Staff
	ASSOCIATION	
No Association data is available for upload	ОК	Shown when there is no data for upload.
All Association data was unloaded successfully	OK	Shown when all association data is unloaded
There are no Failed Associations	ОК	Shown on the Failure Association Info screen when there are no associations that have failed.
Smart Device <sd sn=""></sd> is associated successfully to Cooler < Cooler SN>	ОК	Shown after successful association.
You must upload Association data in order to logout	Alert 50	Shown when a 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
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 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 are 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 server, please try again	Error 65	Shown on Login and Upload Association Data
		happen or any server connection error.
Cooler Serial Number is not valid	Error 66	happen or any server connection error. Shown on Cooler SN Screen when the cooler serial number is not valid.
Cooler Serial Number is not valid Invalid response from the server	Error 66 Error 67	 happen or any server connection error. Shown on Cooler SN Screen when the cooler serial number is not valid. Shown on Uploading association when the server gives an invalid response.
Cooler Serial Number is not valid Invalid response from the server Device is not connected, please connect again	Error 66 Error 67 Error 68	 happen or any server connection error. Shown on Cooler SN Screen when the cooler serial number is not valid. Shown on Uploading association when the server gives an invalid response. Shown on the association screen when we are trying to execute a command and the device is not connected.



APPLICATION VERSION LOGS

VERSION	DATE	CHANGES	
4.9	12.08.2021	 Resolve GBR1 Advertisement issue Added some new text Message 	
4.8	09.08.2021	Add BLE Popup not coming while Bluetooth is off	
4.7	03.08.2021	 Resolved Discrepancy in check cooler status parameter Update Check Cooler Status Tabs from Advertisement of Smart Devices Resolved Battery Percentage Tab Issue in the Check Cooler Status Action 	
4.6	20.07.2021	 Resolved Sollatek FFXy Scanning Issue Resolved Cooler SN Scan issue in Scan Cooler Option 	
4.5	07.07.2021	 Resolved Sollatek FFXy Scanning Issue Resolved Cooler SN Scan issue in Scan Cooler Option 	
4.4	29.06.2021	 Auto App Update Functionality Updated Added Sollatek FFX and FFXy Support 	
4.3	23.06.2021	+ Macedonian language Support Added	
4.2	11.05.2021	 Resolved Change FFA Setting Issue Added Scan Nearby Device Functionality 	
4.1	19.04.2021	Resolved Association Issue found in Last Application	
4.0	25.03.2021	+ Resolved Issue of Change FFA Settings	
3.9	24.03.2021	 Message Changes for invalid Login Success Association Info Tab issue Cooler SN/Barcode Issue in Manually Enter Retry Issue on DFU Process 	
3.8	01.03.2021	+ Display Reason to Enable Location, Camera, and Storage	
3.7	01.02.2021	 Change app access depending on the role Prevent users with Sales Rep role from removing Controller type devices 	
3.6	08.01.2021	 Add support of 240 bytes packet size 	
3.5	15.12.2020	 Association Should happen in case of failure of DFU Process FFM2BB DFU Now Working 	
3.4	02.12.2020	Association Should happen in case of failure of DFU Process	
3.3	18.11.2020	 Messages Text Need to Update after API Changes Implement automatic FW upgrade during the association New Version of 'firmware download API' 	
3.2	11.06.2020	Auto-login ignore when user call login API and get error 401	



		 Implement automatic FW upgrade during the association 	
3.1	23.10.2020	 Messages Text Need to Update after API Changes 	
		 Add Gateway HUB and Android id Details on Login Page 	
		 Add Forgot password functionality to the start screen 	
3.0	24.09.2020	+ Address API issues in Version 2.4 - scanning and removal of the	
		association	
2.9	07.09.2020	 Delete all telemetry data during the association 	
		 Resolved the DELL issue with the EEX devices 	
2.8	31.08.2020	 Now Light Showing in Numeric value 	
2.7	19.08.2020	 Insigma devices showing # for Light Intensity 	
		+ Bugfixes	
		+ Bugfixes	
2.6	11.08.2020	+ UI changes	
2.6	11.00.1010	 Fixing issue in FFA Parameter screen 	
		 Battery Status is shown in % now 	
2.5	28.07.2020	 Update with scanning functionality 	
2.4	30.06.2020	+ Bugfixes	
		 Change in Cooler Scanning Functionality 	
		+ Change Controller Parameters.	
2.3		 App Version Update Functionality Implemented 	
	01.06.2020	 Cooler SN/Technical ID Search Not working Proper 	
		 Issue from Google – Trust Manager 	
		 Change in Message Pop-up Texts and UI Changes 	
		+ Crash Issue	
2.2	07.04.2020	 Server Selection Menu/Option Getting Higher time to 	
		Open/dropdown + Retry show option to remove the association	
		 various bug Fixes 	
2.1	28.01.2020	 Cooler SN and Technical ID not visible in Successful Association info 	
		Screen	
		 various bug Fixes 	
2.0	16.01.2020	 Change page - Header and UI 	
2.0		 Sometimes device details not get in App 	
		+ Cooler Search Issue	
1.10	13.01.2020	Made design changes	
1.9	06.01.2020	+ Added support for the Technical ID association with new API	
1.8	17.12.2019	+ App crashes when we click on a Wellington device and a Nexo device	



		 various bug Fixes
		 Download Unassigned device list and Smart Device Configuration + Add
		new screens for:
		Association
		Scan cooler and data download
17	05 12 2019	 selecting where the association is taking place
1.7	05.12.2019	Choose Device Type
		Identify Cooler or Technical ID
		Scan BT SN
		Associate Device
		 Integrate association fail and success logs
		 logout pop-up to Choose an Option screen
1.6 09	05.11.2019	 Play store version_1.5 Login Issue
		 Change EBest icon
1.5	09.01.2019	 Bugfender SDK 1.1 Integration in Application
1.4	12.12.2018	 Support MAC address starting with 48: E6:95
1.3	03.10.2018	 Duplicate entry issue in Remove Association and Download data logs
1.2	28.09.2018	✦ Add Auto Login when session expired
	12.09.2018	+ Design Issue
1.1		 Data Upload Functionality when data are downloaded offline
1.0	21.08.2018	✤ Initial changes

MINIMUM REQUIREMENTS FOR THE PHONES

COMPONENT	MINIMUM REQUIRED
OPERATING SYSTEM	Android Version 8.0 (Oreo) and above
OPERATING MEMORY (RAM)	2 GB and Above
BLUETOOTH	BLE Version 4.2 and above

SUPPORTED PHONES

|--|



GOOGLE	PIXEL 4A (11)
GOOGLE	PIXEL 3A (11)
SAMSUNG	A10 (10)
ASUS	ZENFONE MAX PRO M1 (9)
ΧΙΑΟΜΙ	REDMI 6 PRO (9)
ΧΙΑΟΜΙ	REDMI NOTE 8 PRO (10)

