# VISION GROUP

## Smart Cooler Installation

iOS Installation Guide November 2024

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## **APPLICATION FEATURES**

- ✓ ASSOCIATION To Associate the Smart Device and Remove the association with the Cooler.
- DEVICE SCANNING AND CONFIGURE To check Device Advertisement and Configure.
- ✓ DFU Direct Firmware Update of Smart Devices.
- ✓ DATA DOWNLOAD AND UPLOAD To Download and Upload data of the Smart Devices.
- ✓ **FIX FAULTY DEVICES** To Fix the Faulty Devices.
- ✓ **TEST AND VERIFY** To verify the Faulty Device after the Fix.



#### **APPLICATION INSTALLATION**

Please remember the following instructions: Open the App Store on an iOS device. Search for the "SMART COOLER INSTALLATION" application and install it. Remember to delete the previous version of the application before installing a new version.



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#### **APPLICATION PERMISSION**

After initial Installation & launch, the Application will ask for permission to access. Camera Permission, File and Media Permission, Location Permission, Nearby Device Permission Need to Allow.

**Choose Server**: The server should be ATOS Codex for CCH, and another server should be chosen for other customers and QA.







#### APPLICATION PERMISSION (Cont'd)



#### **BLUETOOTH PERMISSION**

 Access the Bluetooth (to scan barcodes) – the first prompt on the Outlet screen -> Choose "Allow".

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#### APPLICATION PERMISSION (Cont'd)



#### NOTIFICATION PERMISSION

Send notifications (to inform of data download) -> Choose "Allow"



## LOGIN

After successfully installing the Smart Cooler Installation Application, open it, and it will redirect you to the Login Page. Select the server from the server list and Login in the application using the credentials provided by your administrator after successful login.

Remember to ensure Bluetooth & Mobile Wi-Fi or Mobile Data are ON in the device.



- The Change from v. 2.7 is that All data (outlets, assets, remote commands, firmware) is downloaded before showing the Outlet Screen.
- Bluetooth also should be enabled as well as location services.
- The application requires an internet connection for initial login. After the initial log in the application can work in Offline mode provided that the same username & password as the one in the online login is used.
- All versions after and including 1.7 do not download device data by default. If you wish to enable this option, you should toggle the switch at the VH screen which is titled "Only Remote Command"
- Minimum device requirements iPad 8th Gen and Above Models.

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• The Minimum iOS version is 14 and Above.

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## LOGIN (Cont'd)

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.

The Change from v. 2.7 is that All data (Dutlets & Assets, Remote Commands, Firmware Information, and Unassigned Devices ) is downloaded before showing the Dutlet Screen.

Note - Internet connectivity is required during login otherwise login will fail, and the application will show network errors.





### **APPLICATION FUNCTIONS**

8:07 PM Sun 20 Oct					<b>?</b> 31% 💽
	Smart Coole	r Installati	on(v13.4)	Welcome, Aka	ash Panchal
Outlet Downloaded : 3/3	Usern	ame : Akash	_Tech	S	erver : ATOS Codex
Q Search Outlets via Nan	ne or Code				8
SCAN COOLER BARCODE	PRESS HERE TO START SCAN	OR EN	NTER COOLER ID	Enter Cooler ID	
				Find Cooler	
Outlet 27.01.2020			OUTLET CODE : 02	2701	COOLERS-5 🔴
👳 601 Ahmedaba	ıd				SETUP
Prod_Outlet			OUTLET CODE : Pr	od_Outlet	COOLERS-10 😑
Ø 601 Ahmedaba	d				SETUP
Test_14909			OUTLET CODE : Te	st_14909	COOLERS-5 😑
0					SETUP
1		2		2	
		2		3	
	stallation	Configuratio	n	Virtual Hub	

1. Association Screen - Use for the Association and Remove Association.

2. Configuration Screen - Use to Check the Device Advertisement and Configuration it.

3. VH Screen - Use for the Data Download and Upload to the Server.



#### **ASSOCIATION SCREEN**

Click on the Association Icon to move to the Association Screen.



#### ASSOCIATOIN SCREEN (Cont'd)

Outlet

- Name

- Address

- Outlet Code



### **CONFIGURATION SCREEN**

Click on the Configuration Icon to move to the Configuration Screen.

Smart Device # - Smart Device Serial Number Smart Device Type - Type of Smart Device Dutlet Name - Name of Dutlet of Smart Device Cooler ID - Name of Cooler SN of Smart Device MAC Address - Smart Device's MAC Address Door Status - Flag of Door Status is Open / Close Standby - Flag Showing if Device in Standby Mode UUID Frame - Smart Devices iBeacon UUID Namespace and Instance Value(Showing if Enable)



Battery Status – Smart Device Battery Status RSSI – Range of Smart Devices in dB Health Event – Health available/Not available for Smart devices Movement Status – Movement available/Not available for Smart devices Standby – Stand by Mode Enable/ Disable of Device



#### **VH SCREEN**

#### Click on VH Icon to move to VH Screen.



- Showing the Nearest Whitelisted Devices here for which the Application Can download the Smart device's Data and Upload it to the Server.
- In each Smart Device Type, Sensor Data Flags, MAC Address, Smart Device Serial, etc. Information is showing.
- The operation status of each Smart device is performed by Application-like Connection > Data Download > Data Upload Status showing.



#### **ASSOCIATION PROCESS**

8:07 PM Sun 20 Oct					<b>?</b> 31% 🛛	D'
	Smart Coole	r Insta	allation(v13.4)	Welcome, Aka	ash Panchal	
Outlet Downloaded : 3/3	Usern	ame : A	kash_Tech	Se	erver : ATOS Code	ĸ
Q Search Outlets via Nan	ne or Code					8
SCAN COOLER BARCODE	PRESS HERE TO START SCAN	OR			D	
				Find Cooler		
Outlet 27.01.2020			OUTLET CODE : 0	02701	COOLERS-5	• E
© 601 Ahmedab	ad				SETUP	
Prod_Outlet			OUTLET CODE : F	Prod_Outlet	COOLERS-10	• ,
Ø 601 Ahmedaba	ad				SETUP	
Test_14909			OUTLET CODE : 1	Test_14909	COOLERS-5	
0					SETUP	ר 📘
	stallation	Configu	uration	Virtual Hub		1

#### A. Selecting Asset – Using Barcode Scanning:

- Click on the Barcode icon, Barcode scanning window will open.
- 2. Scan the cooler barcode using the barcode scanner Position the camera of the mobile device in such a way that the barcode of the Cooler (Technical ID) is in the box.
- 3. Outlet will automatically be selected, and a menu will be shown for choosing the device that will be installed.

#### B. Alternative – Selecting Outlet by entering Outlet Code or Name:

- If Scanning of the Cooler serial is not possible enter either the Outlet Name or Outlet Code and Tap on "**Find**".
- C. Alternative Selecting Outlet Manual selection of cooler
  - If Scanning of the Cooler serial is not possible and the outlet code/name is not known, the User can manually select the outlet.



#### **ASSOCIATION – SMART TAG**

Selecting Cooler - A new window will open allowing the User to select the cooler for the outlet selected manually. Click on "Association" to choose the asset to install.
 Selecting Smart Device type - A new window will open to ask for the selection of device types to be associated with. Click on "SMART TAG" to Associate the SmartTag device.

The user will see a list of unassociated devices; the User can use the door status to identify the installed device.





### ASSOCIATION – SMART TAG (Cont'd)

**3.** Selecting the Device to do the association with - The user will see a list of unassociated devices; the User can use the door status to identify the installed device, After identifying the device, select the device to start Installation, and the App will give a popup to confirm the association, Click on OK to confirm. When the process is completed, the User will be returned to the Outlet Screen, and now the User see that the Proximity / Smart Tag is associated with the Cooler.

To Select the device, close the cooler Door and after the Green tick mark user needs to open the door to complete the association.





### ASSOCIATION – SMART TAG (Cont'd)

4. Smart Device Configuration Setting - On selection of the device, the application will connect to the device, make all configuration changes and provide status a success message will appear after successful association, press OK to close the popup. When this window appears the device is provisioned, and the User can press close to return to the outlet screen.

Note: Please note the device only wakes up when the cooler Door Cycle is Open and Closed.

9:13 PM Sun 20 Oct			<b>?</b> 24% 💽
Smart Cooler Installation(v13.4)	Test_14909		
Test_14909	PRESS HERE TO START SCAN	OR ENTER COOLER ID	Enter Cooler ID Find Cooler
	Asset_1_14909Asset_1_14909 cooler5*9		Gateway:-
OUTLET CODE Test_14909	Device Serial# Device Mac Address 2151409 48:E6:95:0F:74:62	Device Model Name SmartTag5GV3	Remove Association Gateway Create Association
	Asset_2_14909Asset_2_E_14909 cooler5*9		Gateway: -
COOLERS 5	Device Serial# Device Mac Address	Device Model Name	Smart Device Create Association Gateway Create Association
	Asset_3_14909Asset_3_E_14909 cooler5*9		Gateway: -
Assigned 2 Unassigned 3	Device Serial# Device Mac Address	Device Model Name	Smart Device Create Association Gateway Create Association
	R00801R00802		Gateway:-



#### ASSOCIATION – SMART VISION (SINGLE DOOR OPTION)

Selecting Cooler - A new window will open allowing the User to select the cooler for the outlet selected manually. Click on "Association" to choose the asset to install.
 Selecting Smart Device type - A new window will open to ask for the selection of device types to be associated with. Click on "SMART VISION " to Associate the SmartVision device.

The user will see a list of unassociated devices; the User can use the door status to identify the installed device.





## ASSOCIATION – SMART VISION (Cont'd)

**3. Selecting the Device to do the association with -** The user will see a list of unassociated devices; the User can use the door status to identify the installed device., After identifying the device, select the device to start Installation, App will give a popup to confirm the association, Click on OK to confirm. When the process is completed, the User will be returned to the Outlet Screen, and now the User see that the Smart Vision is associated with the Cooler. When this window appears, the device is Gyroscope calibrated, and the user can press OK to return When the door closes, a screen pop-up will show, click on OK.

To Select the device, close the cooler Door and after the Green tick mark user needs to open the door to complete the association.





### ASSOCIATION – SMART VISION (Cont'd)

4. Smart Device Configuration Setting - On selection of the device, the application will connect to the device, make all configuration changes and provide status a success message will appear after successful association, press DK to close the popup. When this window appears the device is provisioned, and the User can press close to return to the outlet screen.

Note: Please note the device only wakes up when the cooler Door is Closed for 15 seconds.

5:35 PM Tue 22 Oct					<b>?</b> 95% 🔲
Smart Cooler Installation(v13.4)		Test_14909			
Test_14909	PRESS HERE TO	START SCAN	OR	ENTER COOLER ID	Enter Cooler ID Find Cooler
OUTLET CODE Test_14909	Asset_1_14909Asset_1_14909 cooler5*9           Device Serial#         Device Mac Address           2151409         48:E6:95:0F:74:62			Device Model Name SmartTag5GV3	Gateway:- Smart Device Remove Association Gateway Create Association
	Asset_2_14909Asset_2_E	<b>_14909 cooler5*9</b> Device Mac Address		Device Model Name	Gateway:- Smart Device Remove Association
COOLERS 5	2984265	48:E6:95:1C:29:BA		PencilSmartVision	Create Association
Assigned 3 Unassigned 2	Device Serial#	Device Mac Address		Device Model Name	Smart Device Create Association Gateway Create Association
	RO0801RO0802				Gatewav:-



#### In case the gyro command is not getting a successful response, and it shows waiting or failed.



**Waiting -** Users can wait for 1 minute and if the pop-up does not show then try again.

**Failed -** Check the door status if it's "Open" then close the door and Tap on the "Retry".



#### ASSOCIATION – SMART VISION (MULTI DOOR OPTION)

After Selecting the Cooler, the user can choose the Asset Type Capacity for the Association Process in case of a multi-door association process. This is the case where Asset type capacity is not assigned to the cooler.

If the user selects the Two or Three Door option for the association, the user must complete the One by One, Three Smart device's Association to complete the Association Process for a respective cooler. Partial Association in case of multi-door option not allowed.







If the Cooler has already assigned asset type capacity, then the user can see the direct number of cooler doors for those coolers, the user can only associate the Pencil Smart Vision or Single cam device.





#### **ASSOCIATION – SMART HUB**

1. Selecting Cooler - A new window will open allowing the User to select the cooler for the outlet selected manually. Click on "Association" to choose the asset to install.

2. Selecting Smart Device type - A new window will open to ask for the selection of device types to be associated with. Click on "SMART HUB" to Associate the SmartHUB device. Now Power on the Smart HUB device.

Note: Please note the gateway device is powered on at association time.





#### ASSOCIATION – SMART HUB

**3.** Selecting the Device to do the association with - The user will see a list of unassociated devices; the User can use the door status to identify the installed device, After identifying the device, select the device to start Installation, and the App will give a popup to confirm the association, Click on OK to confirm. When the process is completed, the User will be returned to the Outlet Screen, and now the User see that the Proximity / Smart Tag is associated with the Cooler.

To Select the device, close the cooler Door and after the Green tick mark user needs to open the door to complete the association





#### ASSOCIATION – SMART HUB (Cont'd)

3. Selecting the Device to do the association with - After identifying the device, select the device to start Installation, App will give a popup to confirm the association, Click on OK to confirm. When the process is completed, the User will be returned to the Outlet Screen, and now the User see that the Smart Hub is associated with the Cooler.

5:33 PM Tue 22 Oct					<b>?</b> 95% 🔲
Smart Cooler Installation(v13.4)		Test_14909			
-					
Tort 14909	PRESS HERE TO START SCAN		OR	ENTER COOLER ID	Enter Cooler ID
165(_14909					Find Cooler
	Asset_1_14909Asset_1	_14909 cooler5*9			Gateway: 2794528
	Device Serial#	Device Mac Address		Device Model Name	Smart Device Remove Association
OUTLET CODE Test_14909	2151409	48:E6:95:0F:74:62		SmartTag5GV3	Gateway Remove Association
	Asset_2_14909Asset_2_	Gateway: -			
	Device Serial# Device Mac Address		1	Device Model Name	Smart Device Remove Association
COOLERS 5	2984265	48:E6:95:1C:29:BA		PencilSmartVision	Gateway Create Association
Accimed 3	Asset_3_14909Asset_3_	E_14909 cooler5*9			Gateway: -
Unassigned 2	Device Serial#	Device Mac Address		Device Model Name	Smart Device Create Association
					Gateway Create Association
	R00801R00802				Gatewav:-



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#### **CONFIGURATION - DEEP SLEEP MODE**

In Deep-sleep mode, the device neither advertises nor logs any event data. Deep sleep mode is by default enabled when installed in the field the first time.





#### CONFIGURATION - DEEP SLEEP MODE (Cont'd)

A. To Disable Deep Sleep —To disable deep sleep mode, the user must keep the door magnet close to the device, and then the device starts advertising for 90 seconds. The user must connect to a smart device within 30 seconds. Tap on Smart Device, and after the connection, go to Edit > "Device Configuration" > "Deep Sleep" > Disable button.

After disabling deep sleep mode, the device will continuously advertise forever and log event data.

If the user doesn't disable deep sleep mode, then after 90 seconds of disconnection, the device will stop advertisement again and the user can't see the device in scanning.

B. To Enable Deep sleep, after connection, go to Edit > "Device Configuration" > "Deep Sleep" > Enable button.

9:17PM Sun 20 Oct	wine will stop showing a	奈 23% ⊡	2113	9:17 PM Sun 20 Oct		<b>?</b> 23%
Smart Cooler Installation(v13.4)		ind won t log	any	Smart Cooler Installation(v13.4)		
GO BACK (IT WILL DISC	Device Configuration				GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61	Deep-sleep After putting device in Deep-sleep mode it will sto	op		SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		
Device Configuration Settings downloaded.	advertising. It will not be visible in app once goes into Deep-sleep. Press button on device to get	s		Getting configuration settings from device		÷¦€
Configure Device Downlo	device out of deep-sleep mode.	upto date)		Configure Device	Download Data	DFU (Firmware is upto date)
Configure u	s SAVE					
Configuration using pre-define Profiles	Sensor Configuration	Click Here		Configuration using pre-define Profiles	Successfully	Click Here
Dev	, Sensor	EDIT			ок	EDIT
Serial No	Sensor reading interval (Minutes)	2151408		Serial No		2151408
Mac Address	5	48:E6:95:0F:74:61		Mac Address		48:E6:95:0F:74:61
Device Model	SAVE	SmartTag5G_V3		Device Model		SmartTag5G_V3
Device Firmware Version	BLE Advertisement Configuration	3.04		Device Firmware Version		3.04
Device Time	Advertisement Interval (20, 10000)	24 09:17:13PM 🕖		Device Time		Oct 20 2024 09:17:13PM 🏈
Retained Events	1200	10		Retained Events		10

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#### **CONFIGURATION - SET HEALTH INTERVAL**

After connecting with the device, the user can configure the following parameters. In the STATUS Parameters, Tap on "Heartbeat Interval (In Minutes)".

- A. Enter the Interval Value and press the "Set" button.
- B. After changing the values, press the SAVE button at the bottom to save it on the device.

9:18 PM Sun 20 Oct		* 23%	9:18 PM Sun 20 Oct			· <del>·</del> ·· 23%
Smart Cooler Installation(v13.4)		÷	Smart Cooler Installation(v13.4)	(		-
	GO BACK (IT WILL DISCONNECT THE DEVICE)			GO BACK (IT WILL DISC	Device Configuration	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61			SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		Deep-sleep	0
Device Configuration Settings downloaded.			Device Configuration Settings downloaded.	After putting device in Deep- advertising. It will not be vis into Deep-sleep. Press but		
Configure Device	Download Data	DFU (Firmware is upto date)	Configure Device	Downloa	device out of deep-sleep mode.	upto date)
	Configure using profiles			Configure us	SAVE	
Configuration using pre-define Profiles		Click Here	Configuration using pre-define Profiles		Sensor Configuration	Click Here
	Device	EDIT		Dev	Sensor	
Serial No		2151408	Serial No		Sensor reading interval (Minutes)	2151408
Mac Address		48:E6:95:0F:74:61	Mac Address	A	60	48:E6:95:0F:74:61
Device Model		SmartTag5G_V3	Device Model		SAVE	SmartTag5G_V3
Device Firmware Version		3.04	Device Firmware Version		BLE Advertisement Configuration	3.04
Device Time		Oct 20 2024 09:18:08PM 🌔	Device Time		Advertisement Interval (20, 10000)	:4 09:17:35PM 🕖
Retained Events		10	Retained Events		1200	10

After the Sensor configuration ser successful, success message shows like below image.

9:18 PM Sun 20 Oct		奈 23%
<b>〈</b> Smart Cooler Installation(v13.4)		
	GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		
Getting configuration settings from device		2) <sup>2</sup>
Configure Device	Download Data	DFU (Firmware is upto date)
Configuration using pre-define Profiles	Sensor Configuration Updated Successfully OK	Click Here EDIT
Serial No		2151408
Mac Address		48:E6:95:0F:74:61
Device Model		SmartTag5G_V3
Device Firmware Version		3.04
Device Time		Oct 20 2024 09:17:35PM 🕥
Retained Events		10



#### **CONFIGURATION - SET CURRENT DATE TIME**

After connecting with smart devices, Tap on the Refresh button in STATUS > "Current Time" row to set the current time in the device.

9:25 PM Sun 20 Oct		<b>?</b> 21%
Smart Cooler Installation(v13.4)		:
	GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		
Device Configuration Settings downloaded.		
Configure Device	Download Data	DFU (Firmware is upto date)
	Configure using profiles	
Configuration using pre-define Profiles		Click Here
	Device	EDIT
Serial No		2151408
Mac Address		48:E6:95:0F:74:61
Device Model		SmartTag5G_V3
Device Firmware Version		3.04
Device Time		Oct 20 2024 09:25:01PM
Retained Events		16



#### **CONFIGURATION - SET IBEACON PARAMETERS**

Enable/Disable iBeacon Frame - Toggle button to Enable iBeacon row to enable or disable the iBeacon frame in the iBeacon Raw.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:18 PM Sun 20 Oct		중 23% □	9:19 PM Sun 20 Oct			중 22% 💽
Smart Cooler Installation(v13.4)		÷	✓ Smart Cooler Installation(v13.4)			. :
	GO BACK (IT WILL DISCONNECT THE DEVICE)			GO BACK (IT WILL DISC	Beacon Frame Configuration	
SBC-ST104402151408			SBC-ST104402151408		iBeacon Frame	
Mac Address: 48:E6:95:0F:74:61			Mac Address: 48:E6:95:0F:74:61		Eddystone UID Frame	
Device Configuration Settings downloaded			Device Configuration Settings downloaded		Eddystone URL Frame	
Configuration Sectings downloaded.	Duralizations		Configuration Settings downloaded.	Daniel	Eddystone TLM Frame	
Configure Device	Download Data	DFU (Firmware is upto date)		Downloa	Power Saving Mode	pto date)
	Device	EDIT	Energy Saving End Time		iBeacon Frame	06:00 AM
Serial No		2151408		0 duo usia	Eddystone UID Frame	FDIT
Mac Address		48:E6:95:0F:74:61		Adverti	Eddystone URL Frame	
Device Model		SmartTag5G_V3	iBeacon		Eddystone TLM Frame	No
Device Firmware Version		3.04	Eddystone UID		SAVE	Yes
Device Time		Oct 20 2024 09:18:41PM	UID Namespace			5634063656575
Patainad Events		10	UID Instance		iBeacon Configuration	100008042944
		10	Eddystone URL		iBeacon UUID	No
Last Event Index		10	Eddystone TLM		48F8C9EF-AEF9-482D-987F-3752F1C51DA1	No
	Energy Saving	EDIT			Major	
				Power Man	nagêment	EDIT



Set UUID - After connection, as shown in the figure, below the iBeacon bar touch on the UUID row. Enter a 16-byte UUID.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:19 PM Sun 20 Oct		<b>२</b> 22% 🕞	9:19 PM Sun 20 Oct		奈 22%
Smart Cooler Installation(v13.4)			Smart Cooler Installation(v13.4)		:
GO BACK (IT WIL	iBeacon Configuration			GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61	iBeacon UUID 48F8C9EF-AEF9-482D-987F-3752F1C51DA1 Major		SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		
Device Configuration Settings downloaded.	80		Getting configuration settings from device		
Configure Device Device	wnloa Minor	upto date)	Configure Device	Download Data	DFU (Firmware is upto date)
	42944	Vec	Energy Saving End Time		06:00 AM
	RSSI value for 1 meter distance (-128, 127)	tes		Updated Successfully	
UID Namespace	-59	65634063656575			EDIT
UID Instance	Broadcast (Tx) Power (-20,-16,-12,-8,-4,0,4)	100008042944	iBeacon	OK	No
Eddystone URL	4	No	Eddystone UID		Yes
Eddystone TLM	Advertisement Interval (20, 10000)	No	UID Namespace		636F6B65634063656575
Powe	2200 Mar	EDIT	UID Instance		100008042944
rowe	Energy Saving (Tx) Power (-20,-16,-12,-8,-4,0,4)	LUIT	Eddystone I IRI		No
	iBea -8				110
Transmit power (dBm)	Energy Saving Interval (20,10000)	4	Eddystone TLM		No
Advertisement Interval (ms)	1300	2200		Power Management	EDIT

Set Major - After connection, as shown in the figure, below the iBeacon bar, there is a row for Major. Click on any row and write the value as shown below. Enter the value.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:19 PM Sun 20 Oct		奈 22% ∎	9:19 PM Sun 20 Oct		중 22%
✓ Smart Cooler Installation(v13.4)		:	Smart Cooler Installation(v13.4)		:
GO BACK (IT WILL DISC	iBeacon Configuration			GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61 Device Configuration Settings downloaded.	iBeacon UUID 48F8C9EF-AEF9-482D-987F-3752F1C51DA1 Major		SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61 Getting configuration settings from device		×
Configure Device Downloa	Minor	upto date)	Configure Device	Download Data	DFU (Firmware is upto date)
Eddystone UID	42944	Yes	Energy Saving End Time	iBeacon Configuration	06:00 AM
UID Namespace	RSSI value for 1 meter distance (-128, 127)	65634063656575		Updated Successfully	EDIT
UID Instance	Broadcast (Tx) Power (-20,-16,-12,-8,-4,0,4)	100008042944	iBeacon	OK	No
Eddystone URL	4	No	Eddystone UID		Yes
Eddystone TLM	Advertisement Interval (20, 10000)	No	UID Namespace		636F6B65634063656575
Power Mar	2200	EDIT	UID Instance		100008042944
iBea	Energy Saving (Tx) Power (-20,-16,-12,-8,-4,0,4)		Eddystone URL		No
Transmit power (dBm)	-8 Energy Saving Interval (20,10000)	4	Eddystone TLM		No
Advertisement Interval (ms)	1300	2200		Power Management	EDIT

Set Minor - After connection, as shown in the figure, below the iBeacon bar, there is a row for Minor. Click on any row and write the value as shown below. Enter the value.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:19 PM Sun 20 Oct			奈 22% ∎	9:19 PM Sun 20 Oct		奈 22%
Smart Cooler Installation(v13.4)				✓ Smart Cooler Installation(v13.4)		
GO	D BACK (IT WILL DISC	iBeacon Configuration			GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61 Device Configuration Settings downloaded.		iBeacon UUID 48F8C9EF-AEF9-482D-987F-3752F1C51DA1 Major		SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61 Getting configuration settings from device		914 2015
Configure Device	Downloa	80	upto date)	Configure Device	Download Data	DFU (Firmware is upto date)
IDEaCUI		Minor	NO.			
Eddystone UID		42944	Yes	Energy Saving End Time	iBeacon Configuration	06:00 AM
		RSSI value for 1 meter distance (-128, 127)	65634063656575		Updated Successfully	
ond mannespace		-59	03034003030373		OK	EDIT
UID Instance		Broadcast (Tx) Power (-20,-16,-12,-8,-4,0,4)	100008042944	iBeacon	UN	No
Eddystone URL		4	No	Eddystone UID		Yes
Eddystone TLM		Advertisement Interval (20, 10000)	No	UID Namespace		636F6B65634063656575
		2200				10008042944
	Power Mar	Energy Saving (Tx) Power (-20,-16,-12,-8,-4,0,4)	EDIT			100000042344
	iBea	-8		Eddystone URL		No
Transmit power (dBm)		Energy Saving Interval (20,10000)	4	Eddystone TLM		No
Advertisement Interval (ms)		1300	2200		Power Management	EDIT

**Set RSSI** - After connection, as shown in the figure, below the iBeacon bar, there is a row for RSSI. Click on any row and write the value as shown below.

Enter the value.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:19 PM Sun 20 Oct		중 22% ▶	9:19 PM Sun 20 Oct		奈 22% ∎
Smart Cooler Installation(v13.4)			Smart Cooler Installation(v13.4)		:
GO BACK (IT WILL DISC	iBeacon Configuration			GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408	iBeacon UUID		SBC-ST104402151408		
Mac Address: 48:E6:95:0F:74:61			Mac Address: 48:E6:95:0F:74:61		
Device Configuration Settings downloaded.	80	_	Getting configuration settings from device		2 <mark>1</mark> 2
Configure Device Downlos	Minor	upto date)	Configure Device	Download Data	DFU (Firmware is upto date)
	42944	NU	Energy Saving End Time		06:00 AM
Eddystone UID	RSSI value for 1 meter distance (-128, 127)	Yes		iBeacon Configuration Updated Successfully	
UID Namespace	-59	65634063656575			EDIT
UID Instance	Broadcast (Tx) Power (-20,-16,-12,-8,-4,0,4)	100008042944	iBeacon	ОК	No
Eddystone URL	4	No	Eddystone UID		Yes
Eddystone TLM	Advertisement Interval (20, 10000)	No	UID Namespace		636F6B65634063656575
Power Mar	2200	EDIT	UID Instance		100008042944
r ower man	Energy Saving (Tx) Power (-20,-16,-12,-8,-4,0,4)	LUIT	Eddystone URL		No
iBea	-8				
Transmit power (dBm)	Energy Saving Interval (20,10000)	4	Edaystone ILM		No
Advertisement Interval (ms)	1300	2200		Power Management	EDIT

#### **CONFIGURATION - ENERGY SAVING MODE**

Set Energy saving mode - Users can set the time duration for saving power by changing the advertisement interval and it transmits power for that user needs to touch on the row Energy Saving Start/End time.

After changing the values, press the SAVE button at the bottom to save it on the device.

9:20 PM Sun 20 Oct		€ 22%	9:20 PM Sun 20 Oct
<b>〈</b> Smart Cooler Installation(v13.4)		:	<b>〈</b> Smart Cooler Installation(v13.4)
	GO BACK (IT WILL DISCONNECT THE DEVICE)		
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61			SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61
Device Configuration Settings downloaded.			Device Configuration Settings downloaded.
Configure Device	Download Data	DFU (Firmware is upto date)	Configure Device
	Energy Saving	EDIT	
Energy Saving Start Time		12:00 AM	Energy Saving Start Time
Energy Saving End Time		06:00 AM	Energy Saving End Time
	Advertisement	EDIT	
iBeacon		No	iBeacon
Eddystone UID		Yes	Eddystone UID
UID Namespace		636F6B65634063656575	UID Namespace
UID Instance		100008042944	UID Instance
Eddystone URL		No	Eddystone URL





# CONFIGURATION - ENERGY SAVING MODE (Cont'd)



#### Disable Energy Saving Mode

Users can disable the energy-saving mode by tapping on "Disable Energy Saving" as shown in the image.

After changing the values, press the SAVE button at the bottom to save it on the device.



# CONFIGURATION – DFU(DIRECT FIRMWARE

GRATE Direct Arroware Update - The Smart device's DFU can be performed by clicking on the Update DFU Button, as shown in the image. If the Device already has the latest Firmware, then there is no DFU Flag shown.

10:56 AM Thu 24 Oct		중 78% ■	10:56 AM Thu 24 Oct		중 78% ■
Smart Cooler Installation(v13.4)		:	<b>〈</b> Smart Cooler Installation(v13.4)		
	GO BACK (IT WILL DISCONNECT THE DEVICE)			GO BACK (IT WILL DISCONNECT THE DEVICE)	
SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61			SBC-ST104402151408 Mac Address: 48:E6:95:0F:74:61		
Device Status: Connected			Firmware update in progress: 1/1 progress:24 CurrentSp	eedBytesPerSecond 4112833.929002	
Configure Device	Download Data	DFU (Latest Firmware is Available)	Configure Device	Download Data	DFU (Latest Firmware is Available)
				Please Wait Updating Firmware	



#### Firmware upgrade from the Configuration Screen

All SmartTag3G/Smarttag4GV2/SmartTag5GV3 assigned to a user can be seen on the configuration screen and the ones where the Firmware is equal to or less than then will show an action button for the upgrade of firmware.



To initiate Firmware Upgrade tap on the button.

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The recommendation is that you stay close to the device and do not move while the action is performed.



#### Firmware upgrade

After completing the DFU update, the user will see the DFU Upgrade Process. Once the DFU process is successfully finished, the user can view the upgraded firmware version of the smart device.





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## VH PROCESS (VIRTUAL HUB SCREEN PROCESS)

Select the Virtual Hub Menu at the bottom right side and then Select VH to access the VH Screen and application is data downloading from Smart Devices and Upload.

Users can see the devices around user's and the status of each one, it is possible (but may be too fast to catch) to see the Status Performing "Remote Command"

9:09 PM Sun 20 Oct		중 25%	9:15PM Sun 20 Oct	중 23%	
	Smart Cooler Installation(v13.4)	😕 Welcome, Akash Panchal 🚦	Smart Cooler Installation(v13.4)	🙆 Welcome, Akash Panchal 🛛 🔁	
Outlet Downloaded : 3/3	Username : Akash_Tech	Server : ATOS Codex	Only Remote Command :		
Q Search Outlets via Name or Code		8	SBC-ST104402151409 (Smart Tag) RSSI: -58	DATA STATUS Downloaded just now	
SCAN COOLER BARCODE PRESS HERE TO	O START SCAN OR ENTER COOLER ID	Enter Cooler ID Find Cooler	Battery Status:       Excellent Health         Mac Address:       48:E6:95:0F:74:62       Movement:       Not Available         Door Status:       Open       Health Event:       Available         Stand By:       Disable	Downloading Completed Remote Commands: Executed::0 Pending::0 DATA STATUS Data Downloaded 42 mins ago Data Available Remote Commands: Executed::0 Pending::0	
Installation	Configuration	Virtual Hub	Installation E Configuration	Virtual Hub	



#### VH PROCESS (VIRTUAL HUB SCREEN PROCESS) – Cont'd

(Switch modes between Download & Remote commands and only remote commands).





## **VH SCREEN - NOTIFICATION**

Pull down the notification to check the Virtual Hub service status when the application runs in the background.





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#### FIX FAULTY DEVICES

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 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.

8:08 PM Sun 20 Oct		중 30%	8:08 PM Sun 20 Oct	🗢 30% 💽
	Smart Cooler Installation(v13.4)	🙆 Welcome, Akash Panchal	, Smart Cooler Installation	
Outlet Downloaded : 3/3	Username : Akash_Tech	Fix Faulty Devices	Scan Cooler SN / Technical Id	
Q Search Outlets via Name or Code		Test & Verify	PLEASE SCAN BARCODE FOR COOLER	
		Logout	SN OR TECHNICAL ID	
SCAN COOLER BARCODE PRESS HERE TO ST	TART SCAN OR ENTER COOLER ID	Find Cooler	السلام المعالم	
Outlet 27.01.2020	OUTLET CODE : 0270	1 COOLERS-5 🔴		
601 Ahmedabad		SETUP		
Prod_Outlet	OUTLET CODE : Prod	_Outlet COOLERS-10 🔴	CHOOSE WHAT TO SCAN	
601 Ahmedabad		SETUP		
Test_14909	OUTLET CODE : Test_	14909 COOLERS-5 🔴		
®		SETUP	COOLER SN OR TECHNICAL ID	
			ENTER MANUALLY BARCODE	
Installation	Configuration	Virtual Hub	13.4	



## The Scanned Device will Corrected with the actual smart device serial number and Upgrade to the Latest Firmware Update if the Update is available and set the device configuration.





8:12 PM Sun 20 Oct 🗢 25	29% ■         8:13 PM Sun 20 Oct         \$\$ 29% ■
← Smart Cooler Installation Smart Device Association	Control Smart Cooler Installation Smart Device Association
Cooler SN / Technical Id	Cooler SN / Technical Id
R007	R007
Smart Device SN	Smart Device SN
2151408	2151408
MAC Address : C:CA:E3:20:00:05 Construction Firmware : SCANNING Default Serial Correction Firmware Update	MAC Address : Success Device Status : Firmware : CONNECTED OK Default Serial Correction Firmware Update
SetRIC	SetRTC
Configure iBeacon UUID	Configure iBeacon UUID
O Configure iBeacon Major Minor	Configure iBeacon Major Minor
O Disable iBeacon Frame	S Disable iBeacon Frame
e EddystoneUID	EddystoneUID
13.4	13.4



#### **TEST AND VERIFY**

This feature involves verifying the fixed devices after faulty fix features to verify the ibeacon and Eddystone Advertisement frame values.

Users can identify 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.



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#### Application asking for door cycle to verify the smart device's Door sensor data.







After giving the Door Cycle, the device will show the Advertisement frame values in comparison with Smart device and Cloud values. Pressing on the Download Event button, the user can verify the Door Event Verification by logging Door Events.

8:15PM Sun 20 Oct	중 29% ∎	8:15 PM Sun 20 Oct				중 29% ∎_
← Smart Cooler Installation ✓		← Smart Cooler Installation Smart Device Association	Door Events Close			$\checkmark$
Cooler SN / Technical Id		Cooler SN / Technical Id R007	ld: 4	Door: Event Time: Door Time: Duration:	Close Oct 20 2024 08:14:25PM Oct 20 2024 08:14:22PM 3 seconds	
Smart Device SN		Smart Device SN		Bullation.	5 3600103	
MAC Address : 48:E6:95:0F:74:61 Device Status : Connected Firmware : 3.04 Connected	Data Download	MAC Address : Device Status : Firmware : Son Connected	ld: 3	Door: Event Time: Door Time: Duration:	Close Oct 20 2024 08:14:22PM Oct 20 2024 08:13:48PM 34 seconds	Data Download
<ul> <li>iBeacon UUID</li> <li>48f8c9efaef9482d987f3752f1c51da1</li> <li>48f8c9efaef9482d987f3752f1c51da1</li> </ul>		<ul> <li>iBeacon UUID</li> <li>48f8c9efaef9482d987f3752f1c51da1</li> <li>48f8c9efaef9482d987f3752f1c51da1</li> </ul>				
<ul> <li>iBeacon Major Minor</li> <li>Major:80 Minor:24391</li> <li>Major:80 Minor:24391</li> </ul>		<ul> <li>iBeacon Major Minor</li> <li>Major:80 Minor:24391</li> <li>Major:80 Minor:24391</li> </ul>				
<ul> <li>iBeacon Frame Status</li> <li>Disabled</li> <li>Disabled</li> <li>13.4</li> </ul>		<ul> <li>iBeacon Frame Status</li> <li>Disabled</li> <li>Disabled</li> </ul>		13.4	_	



#### SMART DEVICE REMOVAL OF ASSOCIATION AND REUSAGE

If a Smart Device must be removed from a cooler the proper procedure is,

1.Log in to the Vision IoT application with BD credentials in whose territory is the cooler.

2. Go to the Virtual Hub tab and make sure that all the data from the Smart Device is downloaded (the Virtual Hub tab should be in Foreground).

3. Find the outlet and the cooler inside where the Smart Device is installed.

4. Tap on the button Remove Association.

5. Physically remove the device (and if it is SmartTag/SmartVision also the magnet) from the cooler.



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### The app should have internet access at that or later time for the data to be available to the server (but the app should have internet access before you attempt to install the same device again in this or another location).

Once the iFSA download is in effect then the download should happen via iFSA, but the removal of association should happen via the Vision IoT application.

If you want to install the same Smart Device to a different cooler,

1. Make sure you log in to the Vision IoT application again after the Smart Device is uninstalled (this is required so that the server can send the proper information and settings to the application for the new installation).

2. If you have just uninstalled the device, make sure you log off and then log in again to the Vision IoT application.

3. If you are installing the device using a different tablet/app/BD username, make sure that you've logged in after the device has been successfully uninstalled.

#### Important

1. The minimum device is an iPad 8th Gen or higher. The minimum iOS version is 14.

2. Only one user should log in at a time and if another user needs to log in the application should be reinstalled.



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# Thank You!