



User Manual

V1.0

Rev0.06

PMN: VistaZ Power, VistaZ Go

HVIN: CVP-0401, CVG-0401

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Note: This user manual applies to the following models: **PMN: VistaZ Power, VistaZ Go | HVIN: CVP-0401, CVG-0401**

1. Pre-requisites

- 1.1. VistaZ Power (CVP-0401) or VistaZ Go (CVG-0401).
- 1.2. Android Phone with internet connectivity*.
- 1.3. CoolR Mobile Application v3.9
- 1.4. CoolR App credentials

Notes:

1. * iPhone can also be used for device operation but this manual focuses on Android phone.
2. CoolR Mobile app can be downloaded from <https://drive.google.com/file/d/1N8yHpdhdj5RXXhk328SrgAiKVkVYaMuE/view?usp=sharing>
Please contact CoolR team if you are not able to download the apk from the link.

2. Steps to use or install VistaZ devices at client/user location:

1. Scan vistaZ device via CoolR mobile application.
2. Sync the device with mobile app.
3. Scan again.
4. Connect the Device with RN app.
5. As per client / user requirement enable wireless communication interface for Device:
 - a. Wi-Fi mode. (Wi-Fi ID, password set, Wi-Fi on interval set etc)Or
 - b. Cellular mode. (cellular APN, Band etc set)
6. As per client user requirement enable image-capture method.
 - a. Manual image capture.
 - b. Time slot-based image capture.
 - c. Door based image capture.

Note:

1. There are a lot of different features in device, which need to set when we install VistaZ device but above steps are basic settings which need to done to make device working.

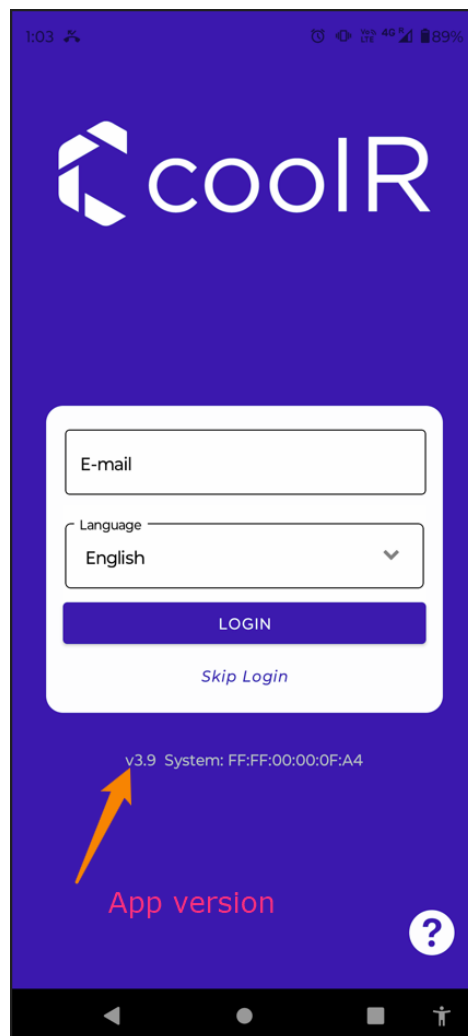
3. FAQ

1. How to check CoolR mobile Application version?
2. How to login to CoolR RN mobile application?
3. How to scan VistaZ Device?
4. How to check VistaZ device is connected/not connected?
5. How to check Firmware version?
6. How to check the battery voltage?
7. How to sync the device time?
8. How to capture Image manually?
9. How to download/view Image on mobile screen?
10. How to check events?
11. How to reboot the device?
12. How to Factory Reset?
13. How to upload the image on portal over BLE?
14. How to enable Wi-Fi?
15. How to upload the image on portal over WIFI?
16. How to enable cellular mode?
17. How to upload the image on portal over Cellular?
18. How to set time slot for image capture?
19. How to enable door detection capability?
20. Other:
 - a. How to Increase RN app disconnect time duration with the VistaZ device?
 - b. How to search and connect multiple devices?
 - c. How to set CoolR Server address in RN app?
 - d. How to increase BLE ping interval?
 - e. How to set Tx power of BLE?
 - f. How to set APN, band, network mode (2G/LTE-CAT-M1/NB-IoT)?

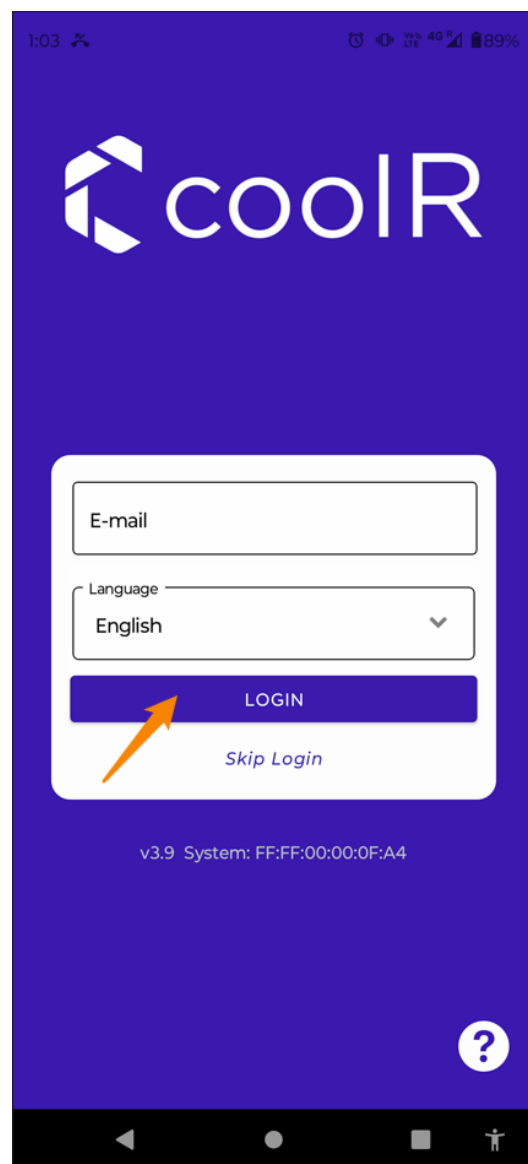
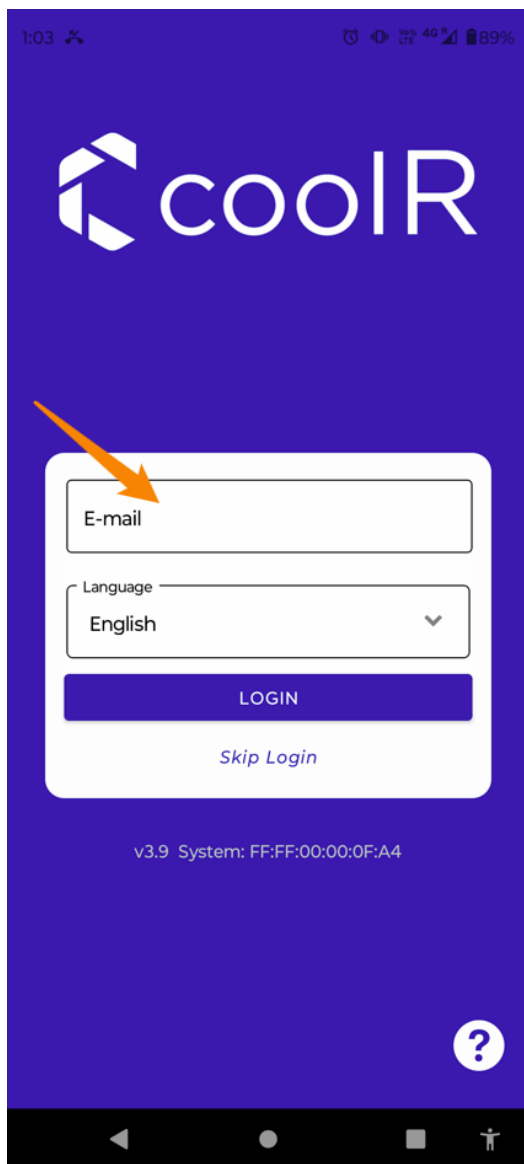
4. How to check CoolR mobile Application version?
5. How to login to CoolR mobile Application?
6. How to scan VistaZ Device?

Steps -

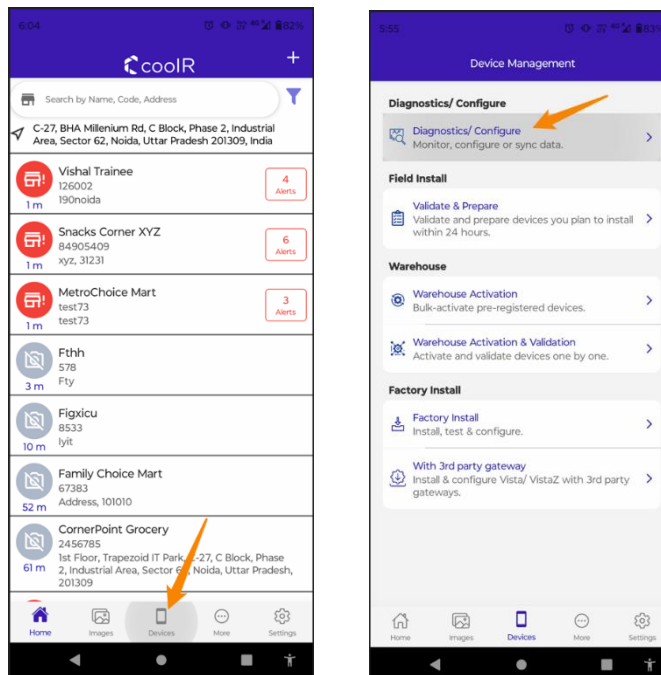
1. Make sure Android phone is connected with internet.
2. Click to open CoolR Mobile Application.
3. You can see the Application version



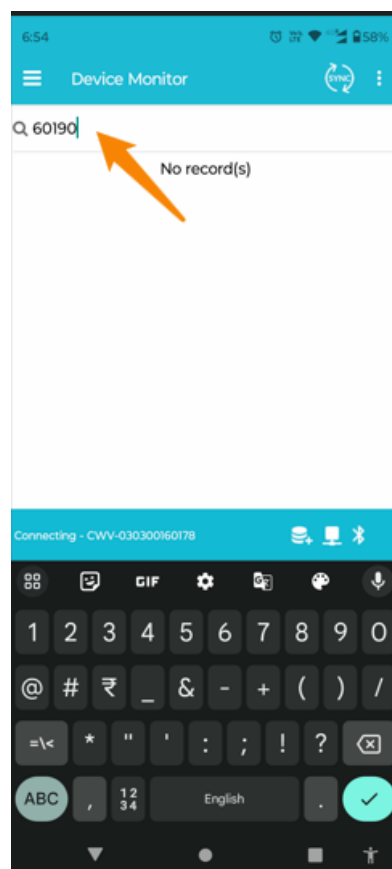
4. Click on LOGIN
 5. Now enter the Login Id and password.
- (**Note** – please connect with CoolR team to get the Login credentials for the particular user)



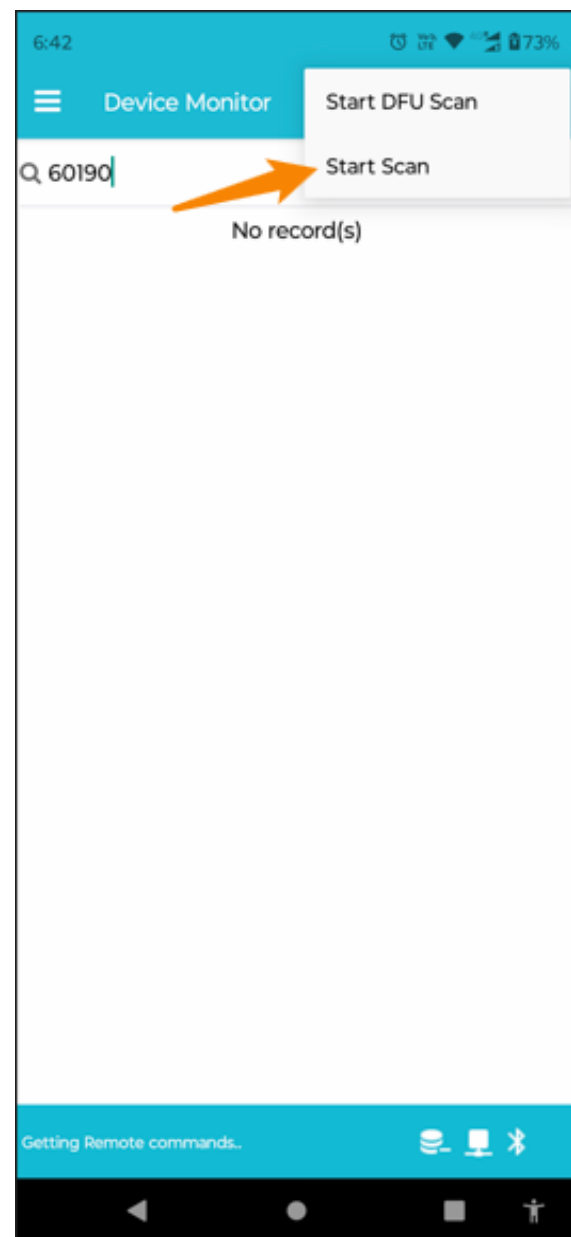
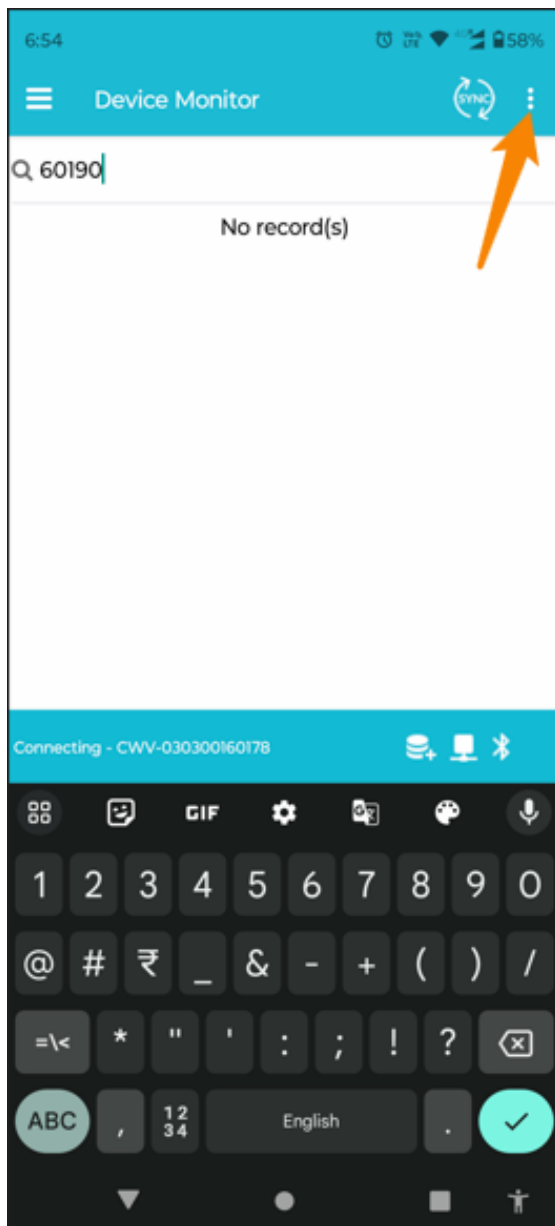
6. After Successfully Login, Home screen will be visible,
7. Click on the Devices option.
8. Click on the Diagnostics/Configure.



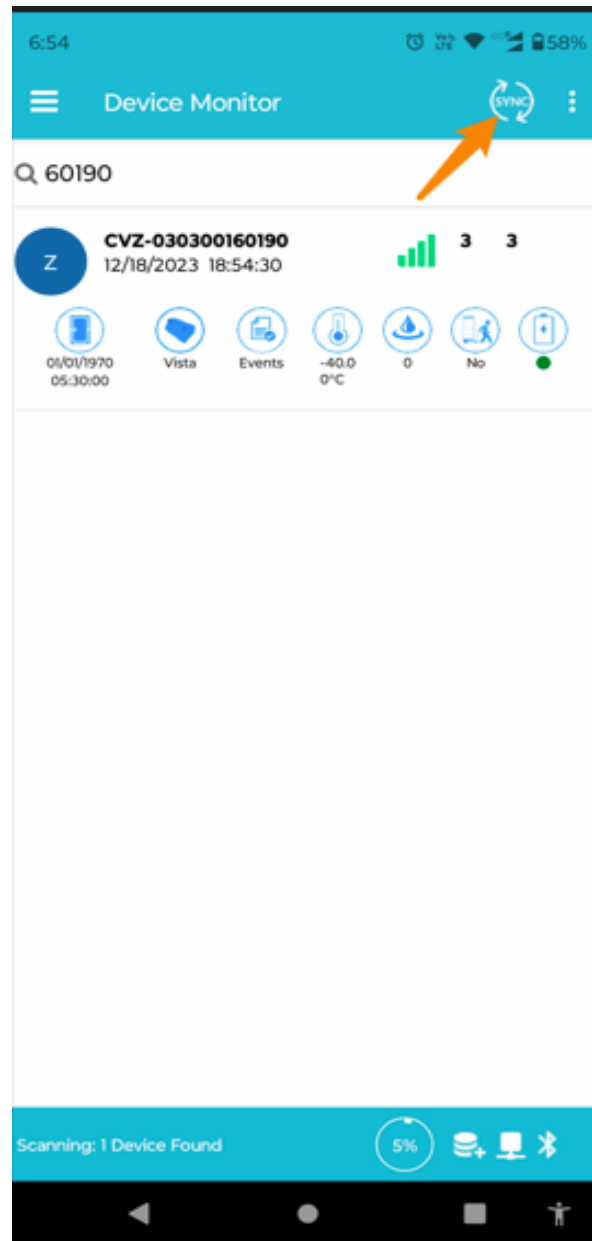
9. Now Device Monitor screen will be visible.
10. Enter the last 5 digits of VistaZ serial No. in the search bar. You can get serial number from device serial number label on the device enclosure.



11. Click on 3 dots for start scan
12. Click on start scan.



13. Once device serial number is visible, Click on Sync before connection with VistaZ and wait until device is synced.



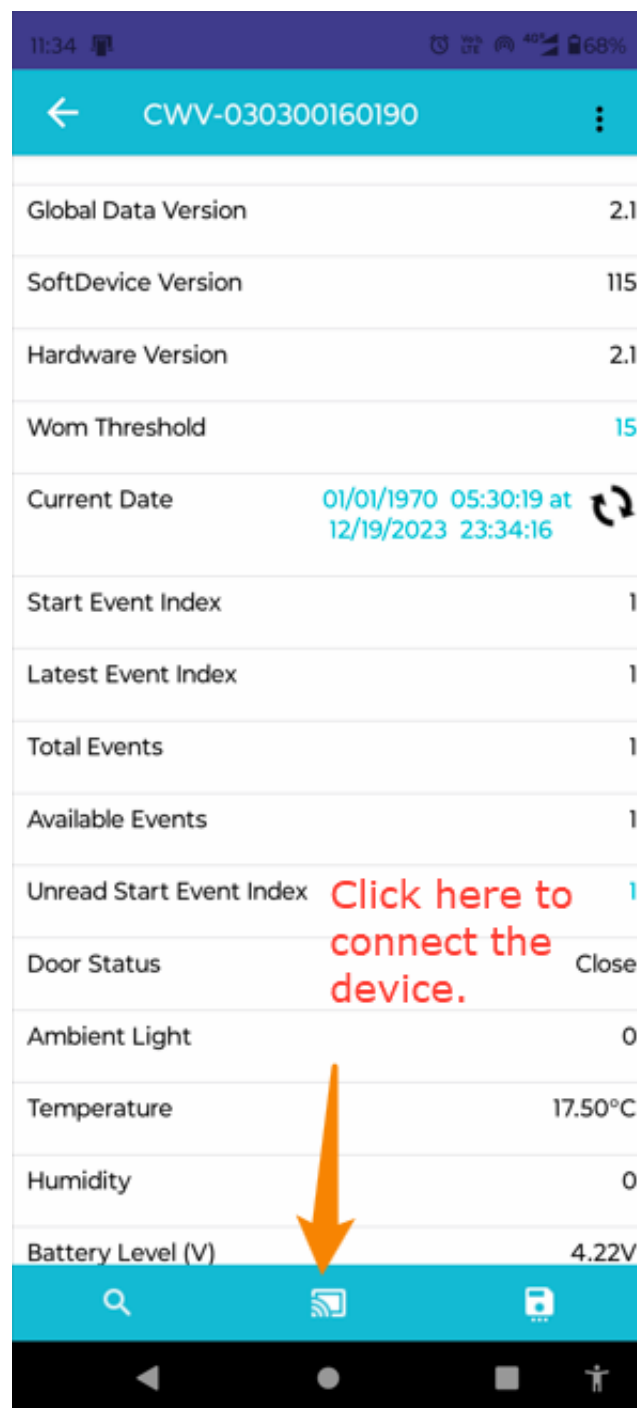
7. How to check Vista device is connected/not connected?

Steps -

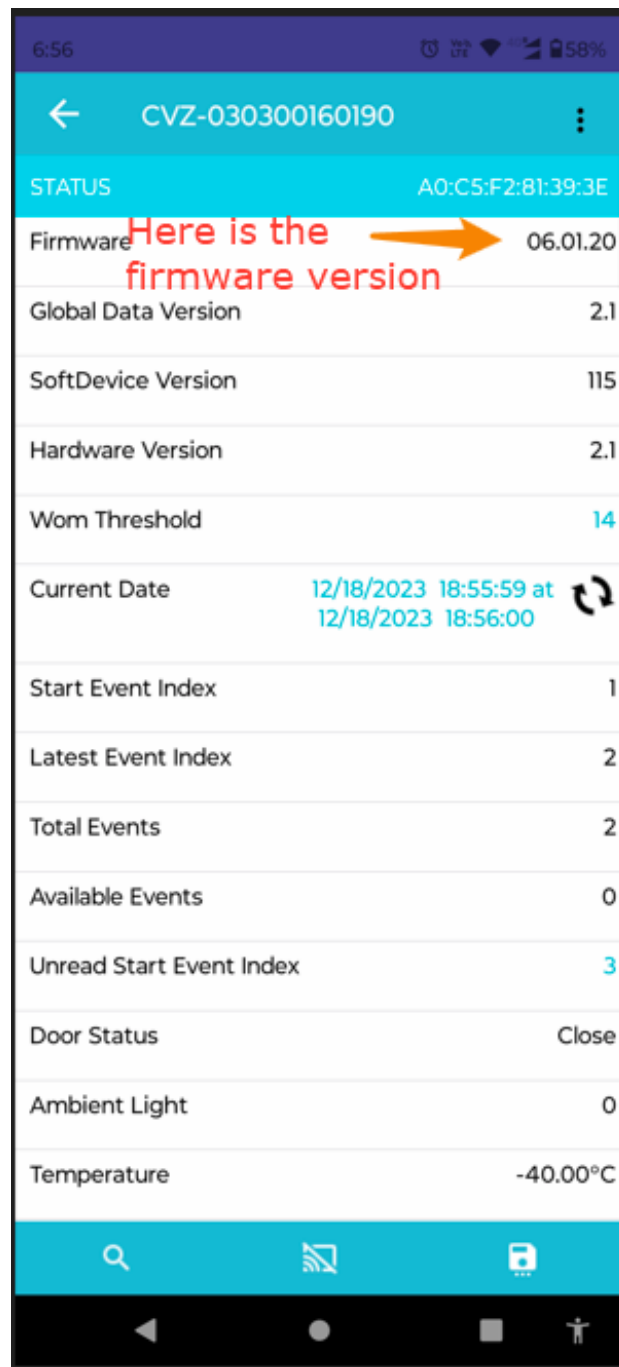
1. Click on Z icon to connect the device.
2. Once device is connected, a cross sign will be visible on the mid bottom of the screen.



- Once the status screen is visible, we can connect to the device by clicking on the cross symbol at the bottom center of the screen.

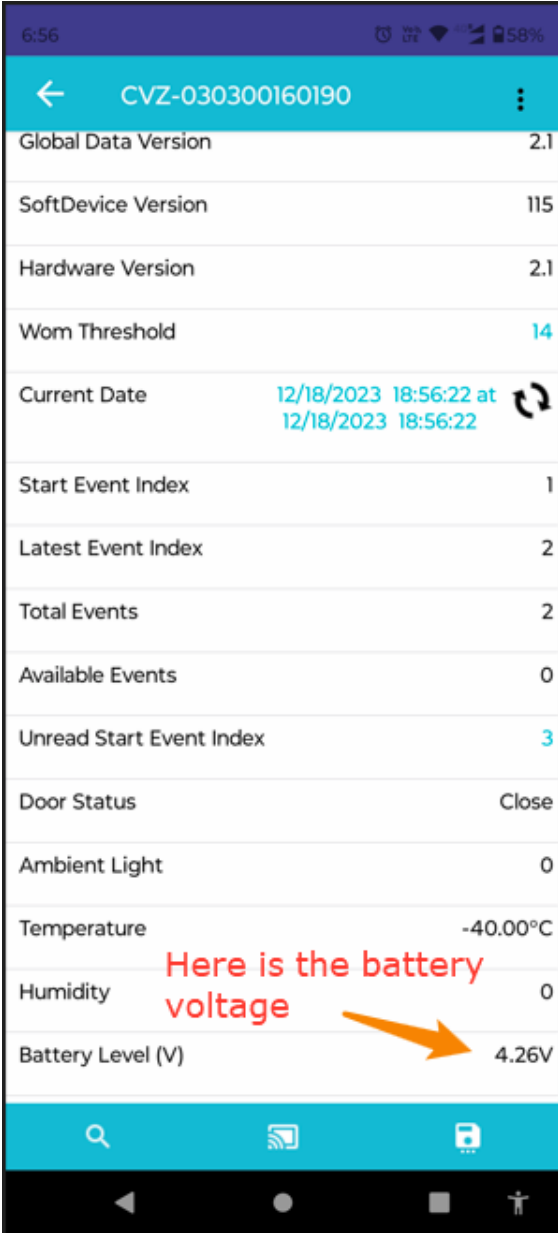


8. How to check Firmware version?



Above is just example, based on actual firmware in your device it will show in the respective slot.

9. How to check the battery voltage?



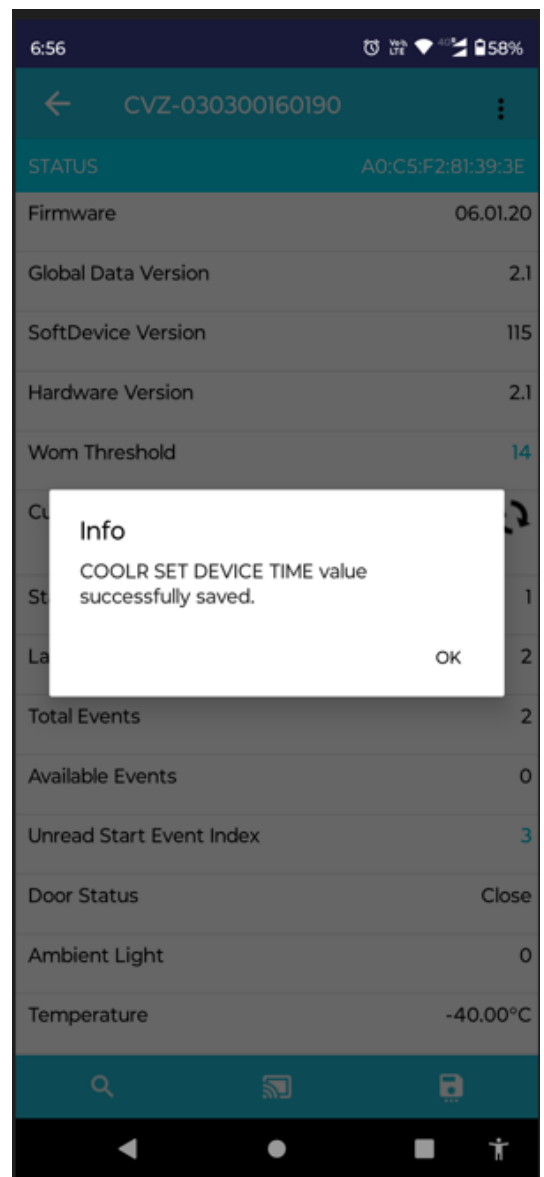
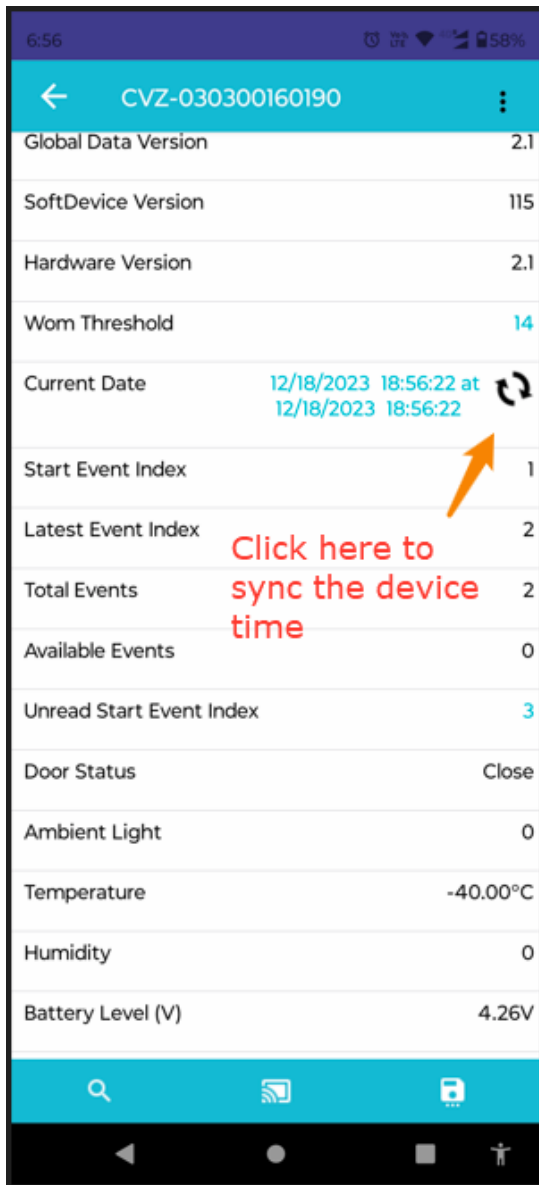
The screenshot shows a mobile application interface with a teal header bar. The header bar contains a back arrow, the device ID 'CVZ-030300160190', and a three-dot menu icon. The status bar at the top shows the time 6:56, signal strength, Wi-Fi, and 58% battery. The main content area is a list of device parameters. The 'Battery Level (V)' parameter is highlighted with a red arrow and the text 'Here is the battery voltage'.

Global Data Version	2.1
SoftDevice Version	115
Hardware Version	2.1
Wom Threshold	14
Current Date	12/18/2023 18:56:22 at 12/18/2023 18:56:22
Start Event Index	1
Latest Event Index	2
Total Events	2
Available Events	0
Unread Start Event Index	3
Door Status	Close
Ambient Light	0
Temperature	-40.00°C
Humidity	0
Battery Level (V)	4.26V

10. How to sync the device time?

Steps

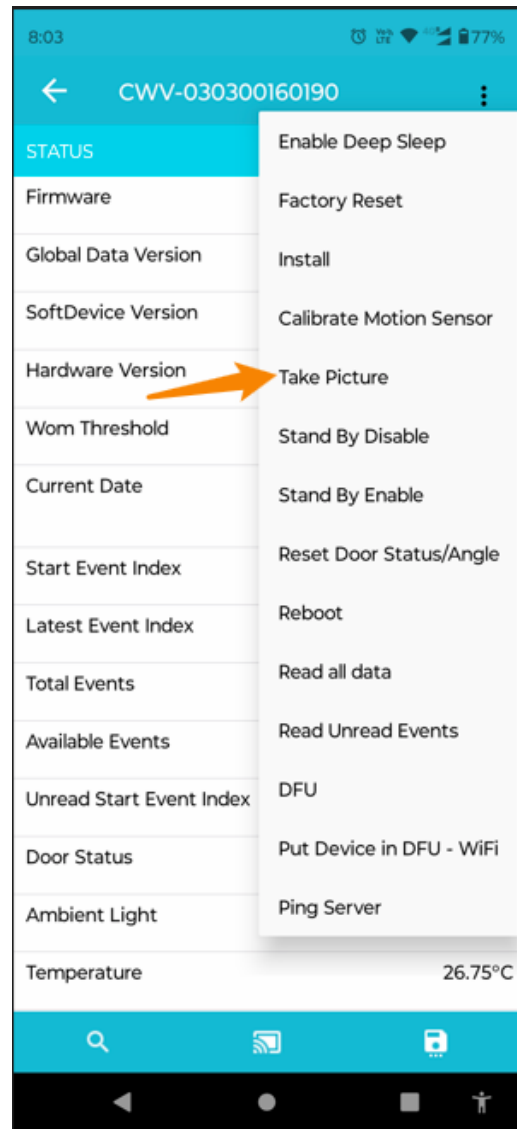
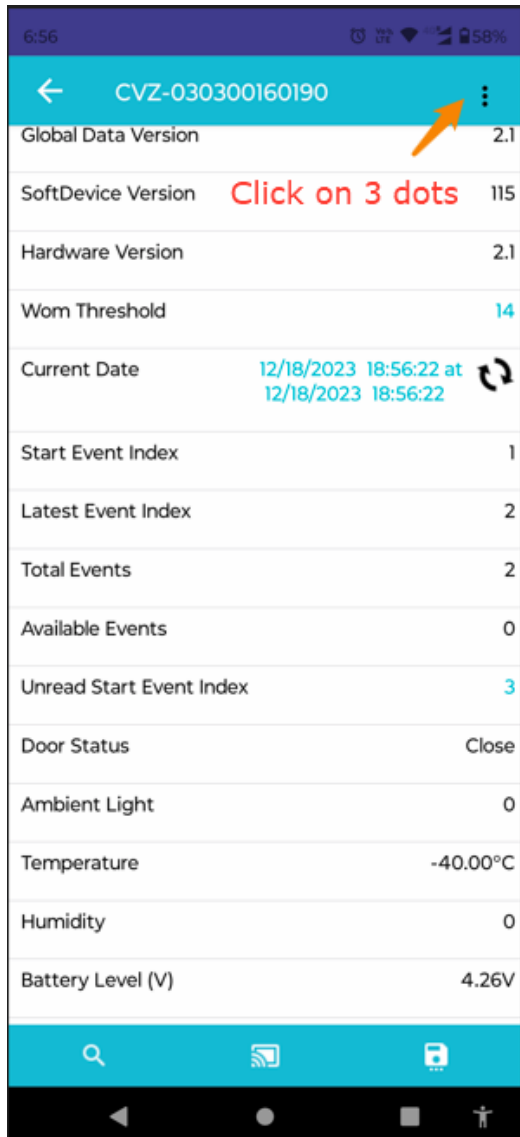
1. Click on the circle pointed in the image,
2. Once time is synced, a pop-up will be visible on the screen to confirm the same.



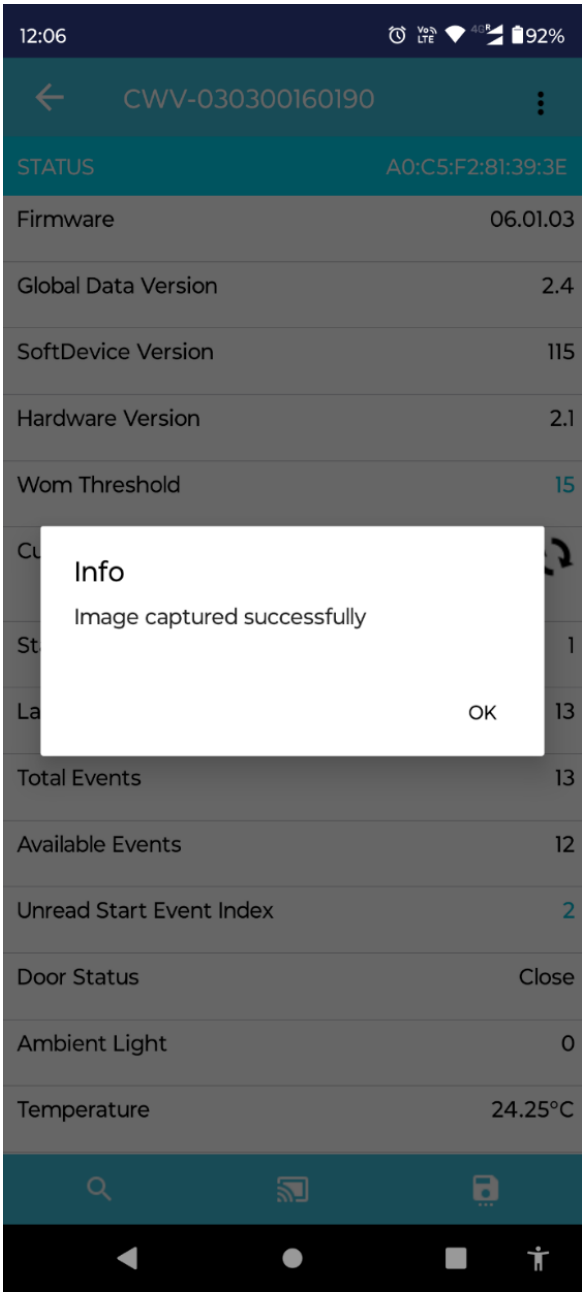
11. How to capture Image manually?

Steps -

1. Click on 3 dots,
2. Now click on Take picture to capture the image,



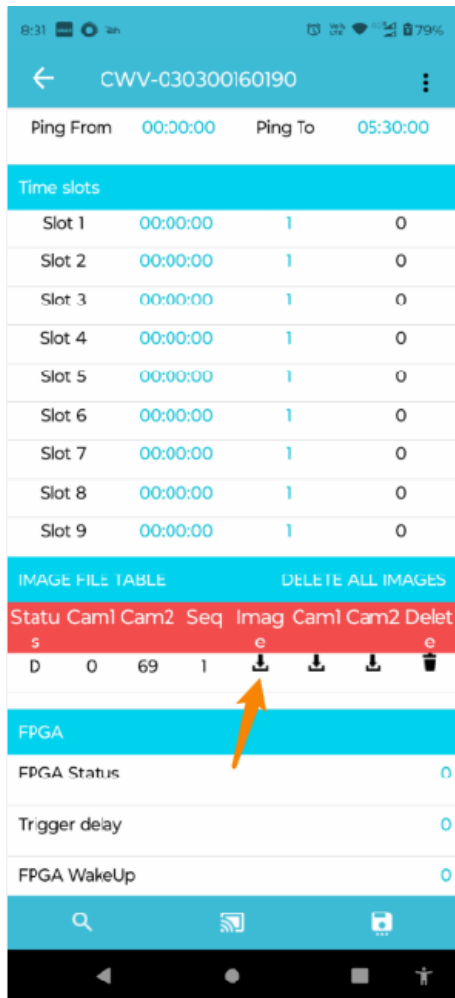
3. A popup will be shown to confirm that image is captured successfully.



12. How to download/view Image on mobile screen?

Steps-

1. Now connect the device.
2. Scroll down and go to the Image file table,
3. To download the image, click on down arrow pointed in the image.



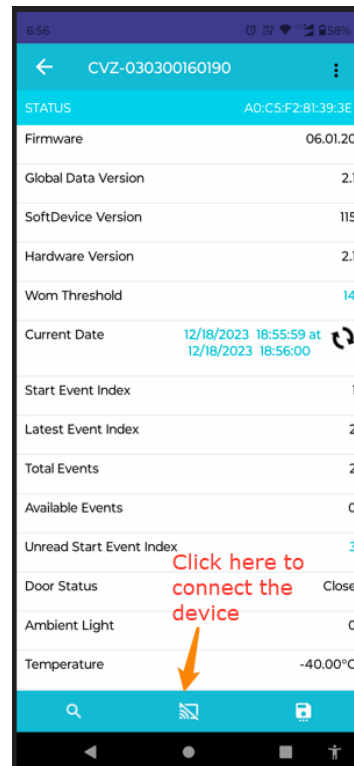
4. Once image is successfully downloaded, it will be open automatically.



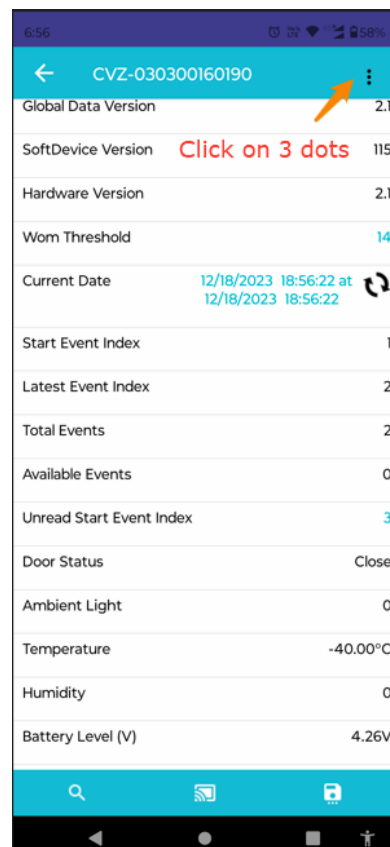
13.How to check events?

Steps –

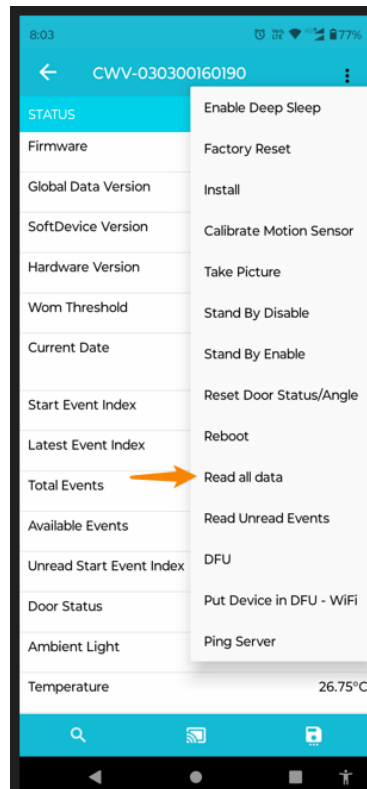
1. Connect the device by clicking on the pointed icon.



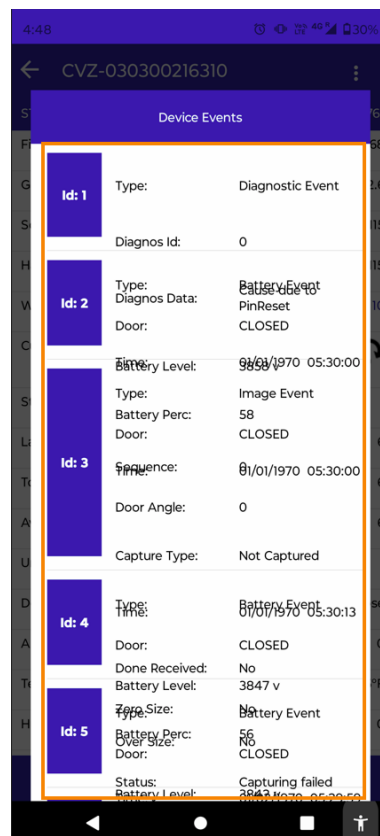
2. Now click on 3 dots.



3. Click on Read all data



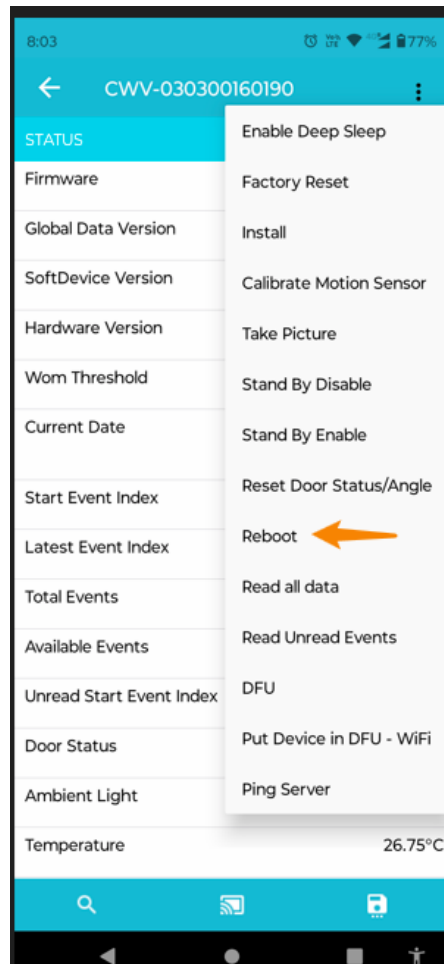
4. Here all the events can be read.



14.How to reboot the device?

Steps-

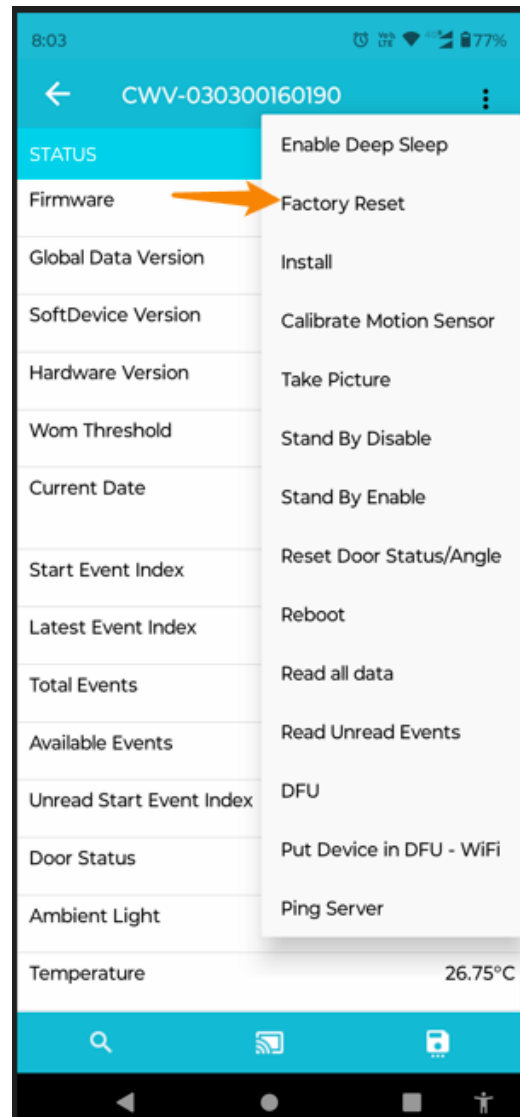
1. Connect the device first.
2. By clicking on 3 dots go to the Reboot option.



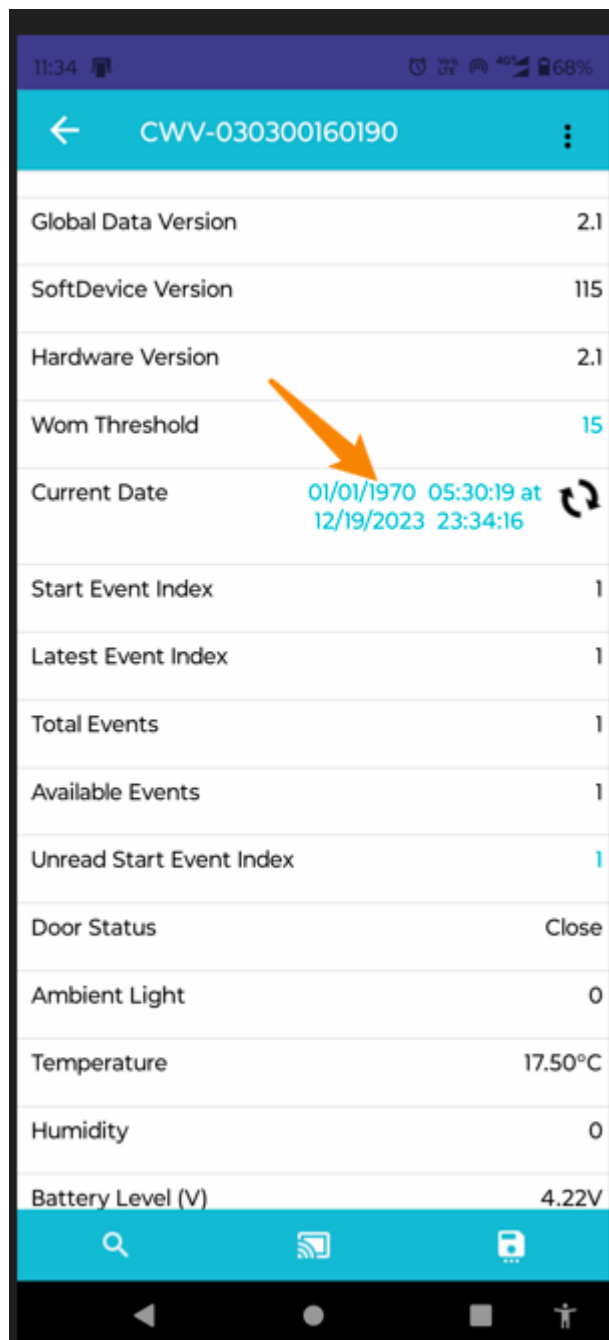
15. How to Factory Reset?

Steps-

1. Connect the device first.
2. By clicking on 3 dots go to the Factory Reset option.



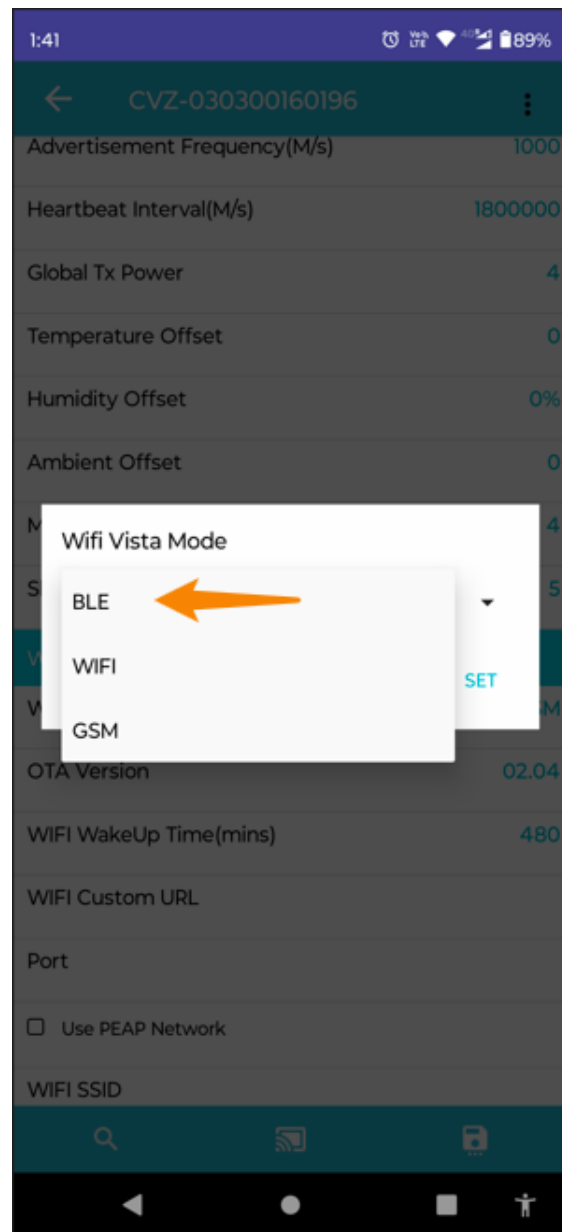
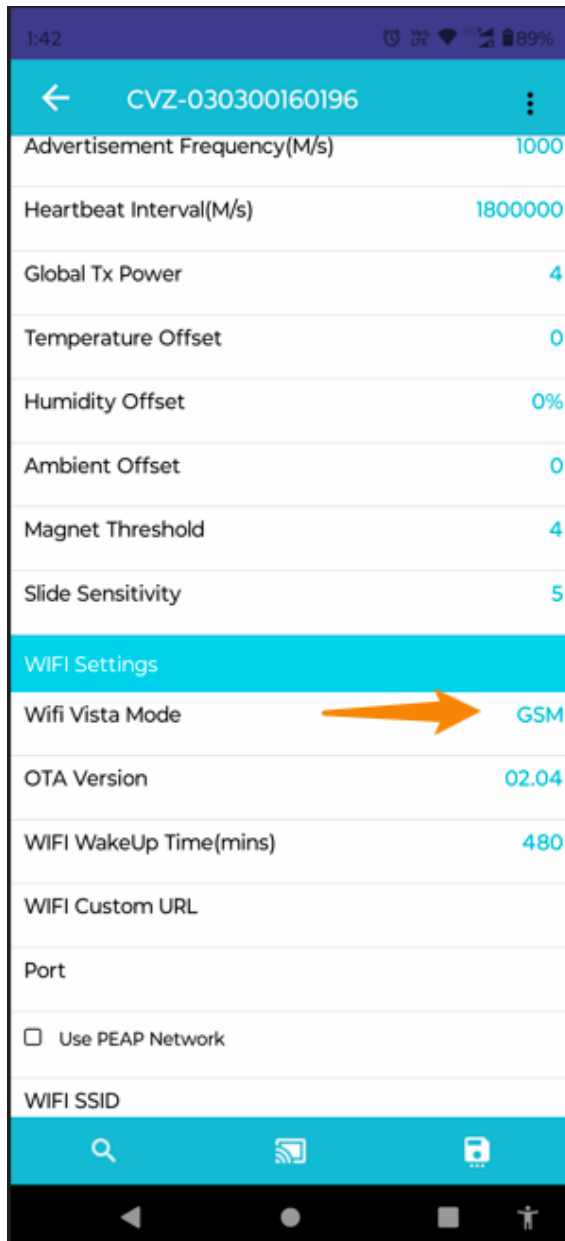
3. To check whether factory reset done or not, connect the device,
4. We can see the device time is reset.



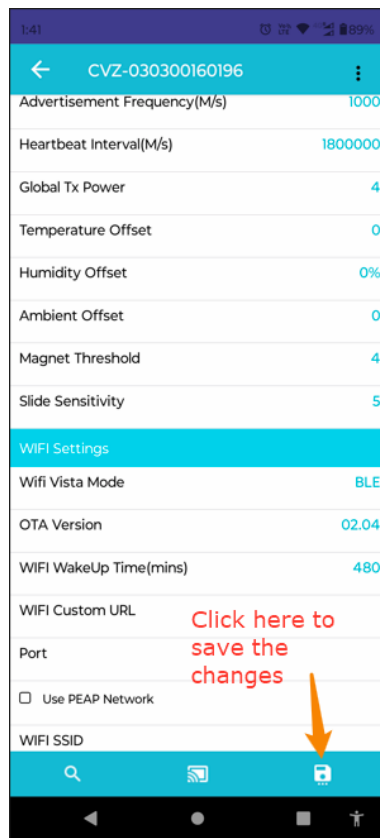
16. How to upload the image on CoolR server over BLE?

Steps –

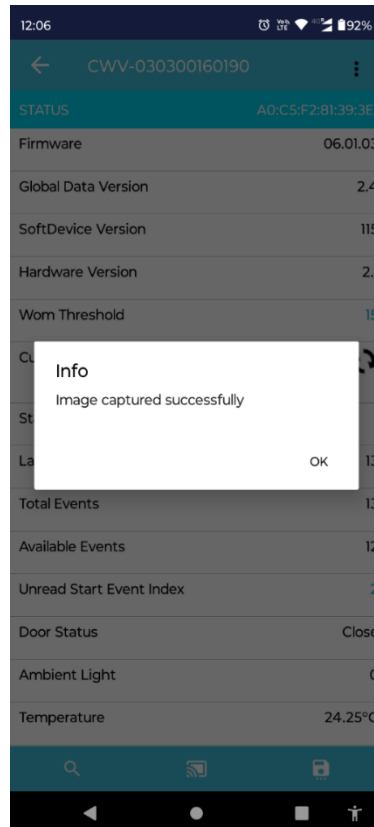
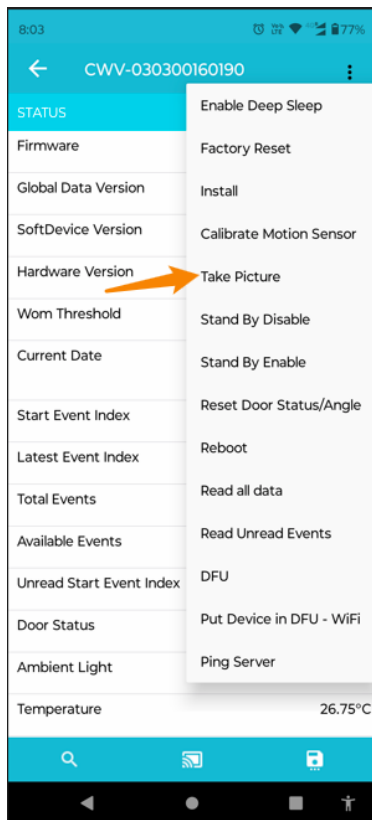
1. Connect the device.
2. Now go the WIFI Settings
3. Click on the GSM (It can be GSM or WiFi or BLE mode, based on last mode you are working)
4. Select BLE. (note by default device remains in BLE mode)



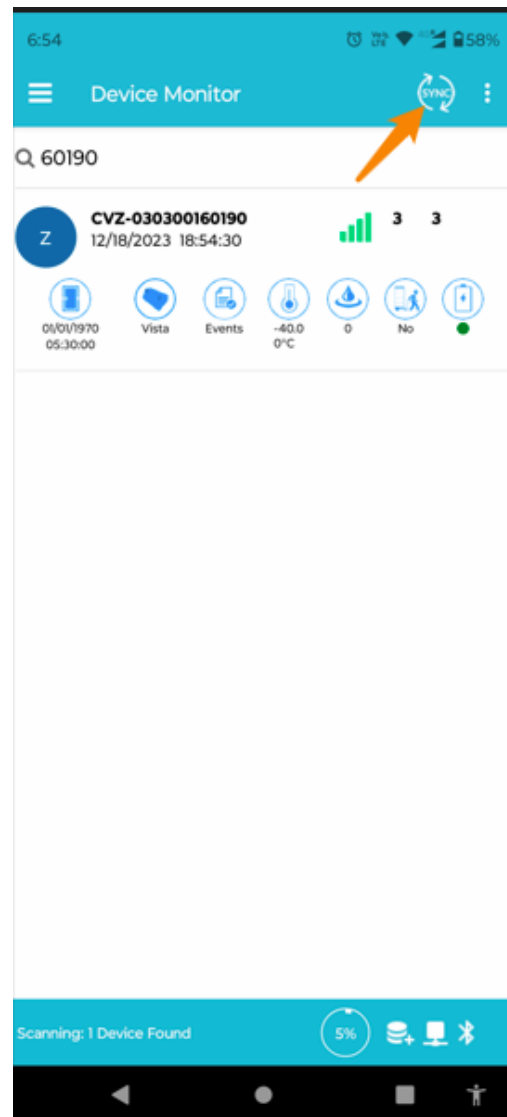
5. To save this setting click on the right bottom icon pointed in the image.



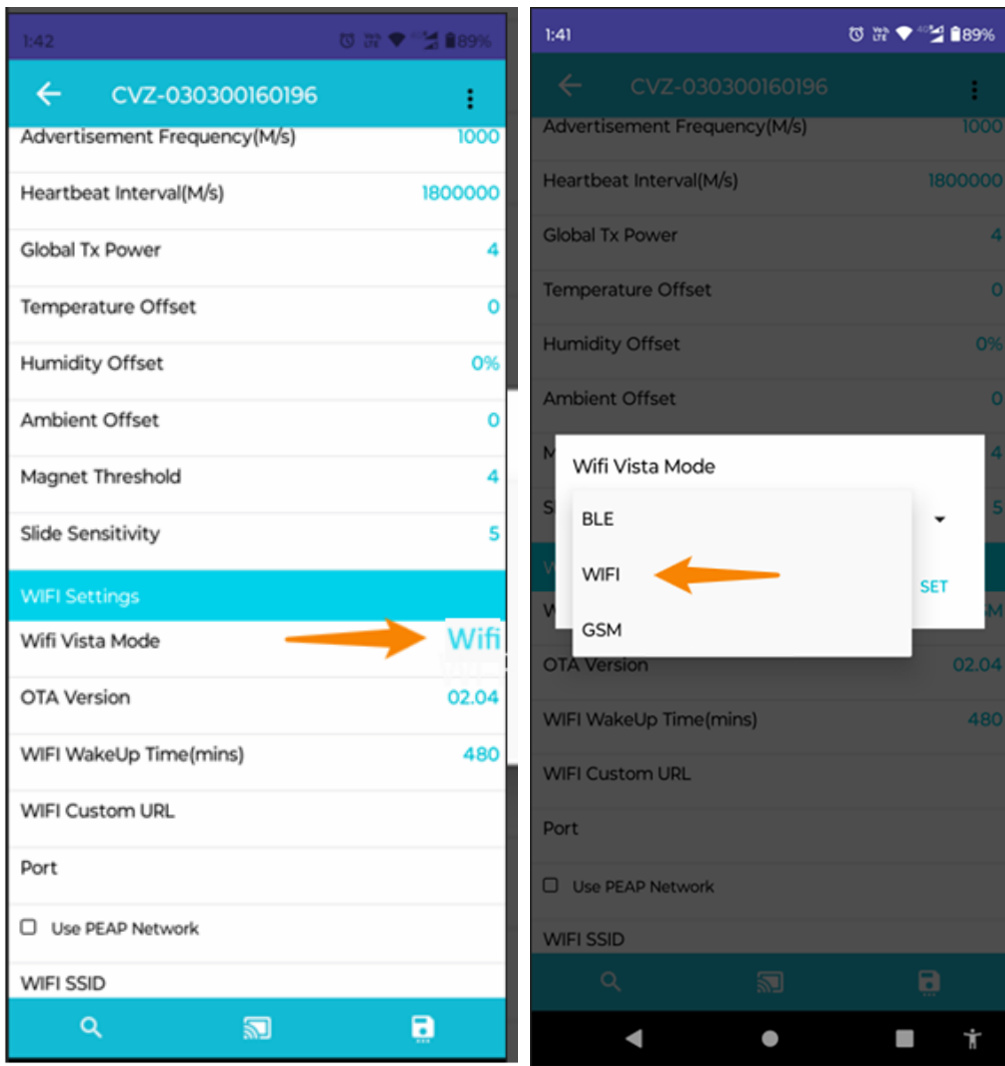
6. Now click on take picture.



7. Once image is captured successfully, then repeat the steps from 1.8 to 1.13 to sync the device, this process downloads the image from device via BLE and upload over the server.



17.How to enable Wi-Fi?

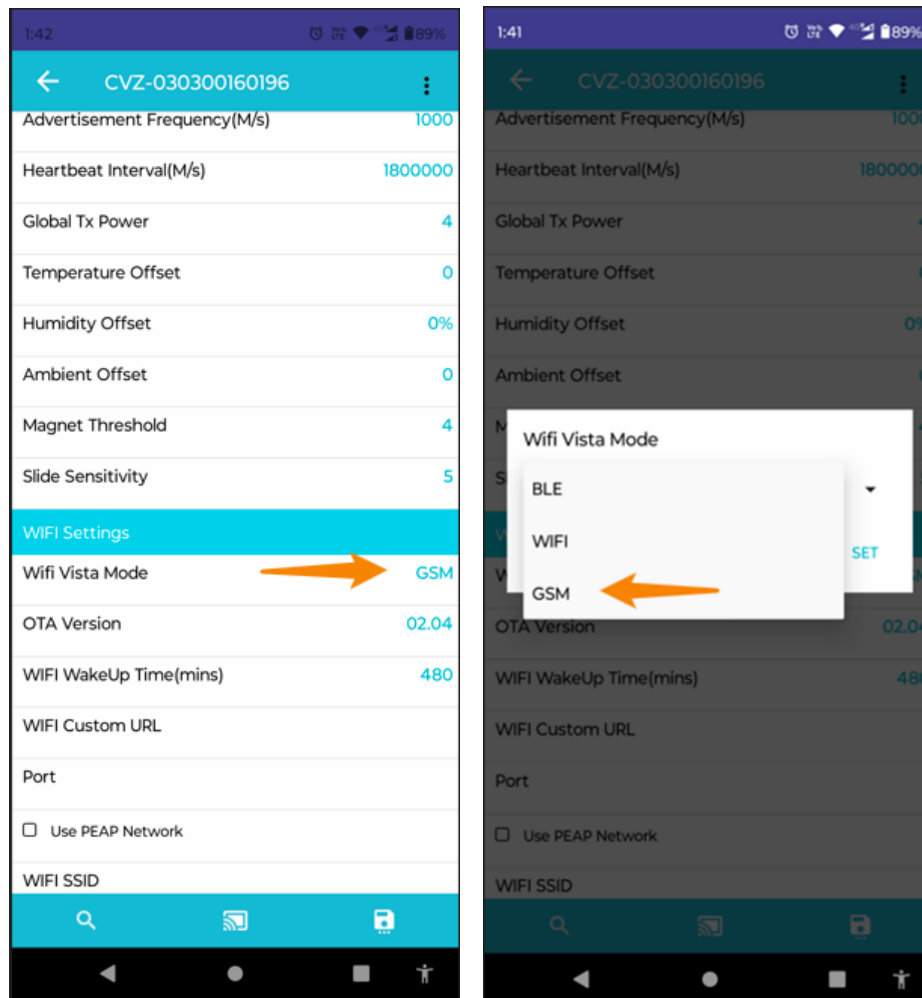


18.How to upload the image on portal over WIFI?

TBD



19.How to enable cellular mode?



20. How to upload the image on portal over Cellular?

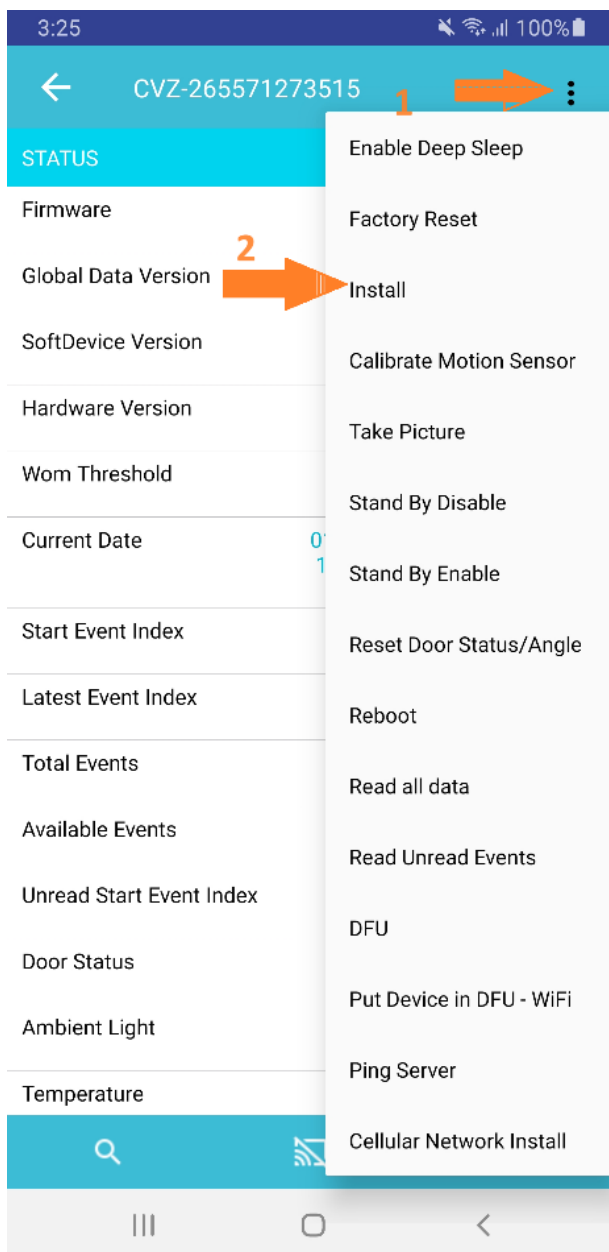
- Enable gsm mode if not enabled as section 19.
- Capture image as per section 11.

21. How to set time slot for image capture?

TBD

22. How to enable door detection capability?

1. Click on three dots.
2. Click on install.
3. Now door detection capability is ready to use.



23. Device appearance and use case



Use case and mounting location: VistaZ is designed for monitoring product inventory, internal temperature, and door activity in commercial refrigeration equipment.

The device is installed inside commercial beverage coolers or refrigeration cabinets, including both horizontal and vertical models.

It is mounted on the interior surface of the cooler glass door, facing the product storage area to monitor stock levels and cooler operation.

24.FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

Note: *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

Note: *The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement.*

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation

25.IC Warning:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.*
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.*

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux normes CNR exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est assujéti aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.*
- (2) Cet appareil doit accepter toute interférence, y compris celles qui peuvent entraîner un fonctionnement indésirable de l'appareil.*

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with RSS-102 -Radio Frequency (RF) Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

le dispositif de a été évalué à répondre général rf exposition exigence.pour maintenir la conformité avec les directives d'exposition du RSS-102-Radio Fréquence (RF). ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.