



Alertwear- T20 Configurator Application Process Flow Version 1.1



Black Box Corporation

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1. Different Login Credentials':

URL : <http://doguz.io/t20/login>

a. Company Login

ID - stescompadmin

Pass - Bl@ckb0x

b. Distributor Login

ID - stesadmin

Pass - Bl@ckb0x

c. OEM Login

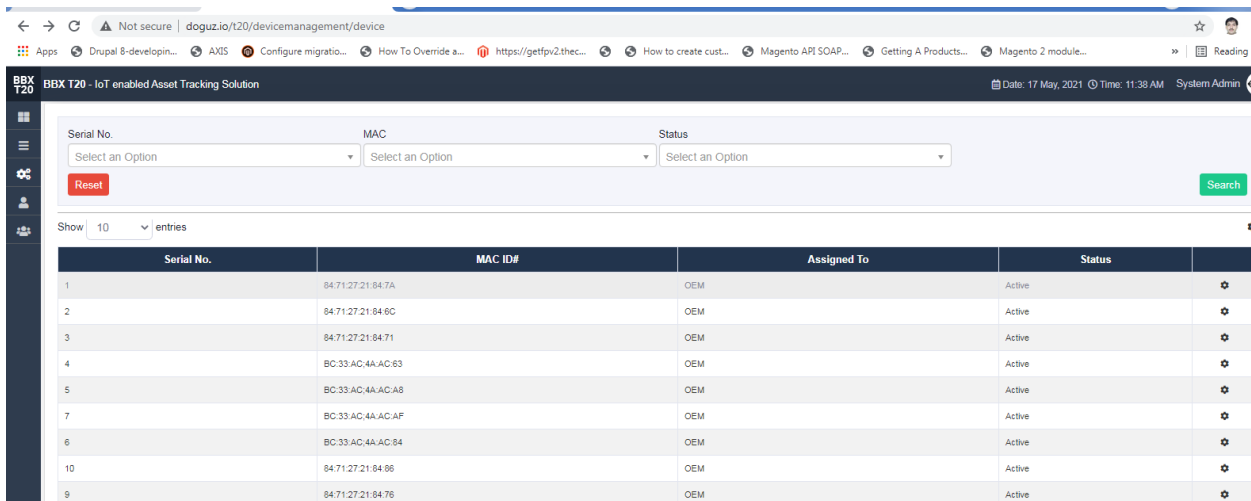
ID - sysadmin

Pass - sysadmin@123#

2. OEM Login

2.1 Device Creation

New devices can be created from this section. User can also view, delete, edit, and assign a device to the distributor from this section

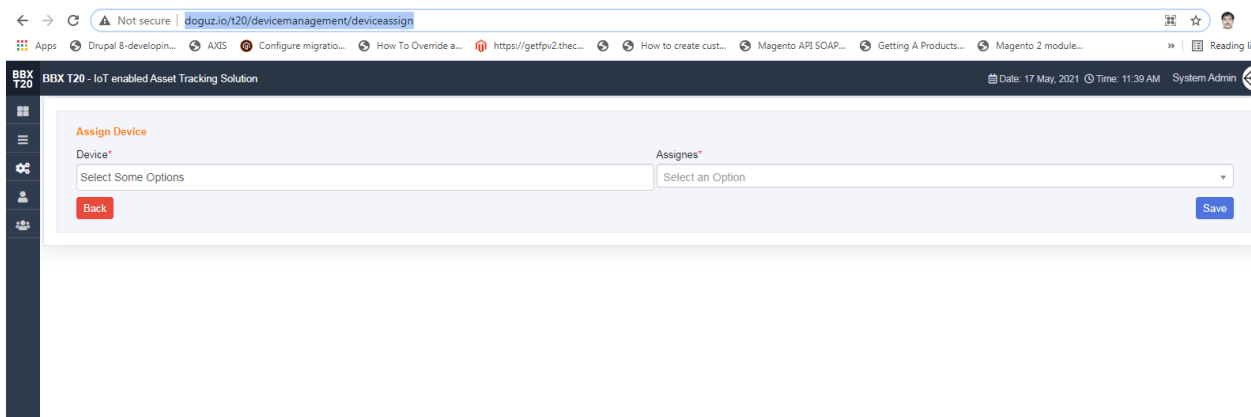


The screenshot shows the 'Device Management' page in the BBX T20 system. At the top, there are three dropdown menus for 'Serial No.', 'MAC', and 'Status', each with 'Select an Option' as the current selection. Below these is a 'Reset' button and a 'Search' button. A table below shows a list of devices with columns for 'Serial No.', 'MAC ID#', 'Assigned To', and 'Status'. The table contains 9 rows of data, all with 'Active' status and 'OEM' assigned to.

Serial No.	MAC ID#	Assigned To	Status
1	84-71-27-21-84-7A	OEM	Active
2	84-71-27-21-84-6C	OEM	Active
3	84-71-27-21-84-71	OEM	Active
4	BC-33-AC-4A-AC-63	OEM	Active
5	BC-33-AC-4A-AC-A8	OEM	Active
7	BC-33-AC-4A-AC-AF	OEM	Active
6	BC-33-AC-4A-AC-84	OEM	Active
10	84-71-27-21-84-86	OEM	Active
9	84-71-27-21-84-76	OEM	Active

2.2 Device Assign

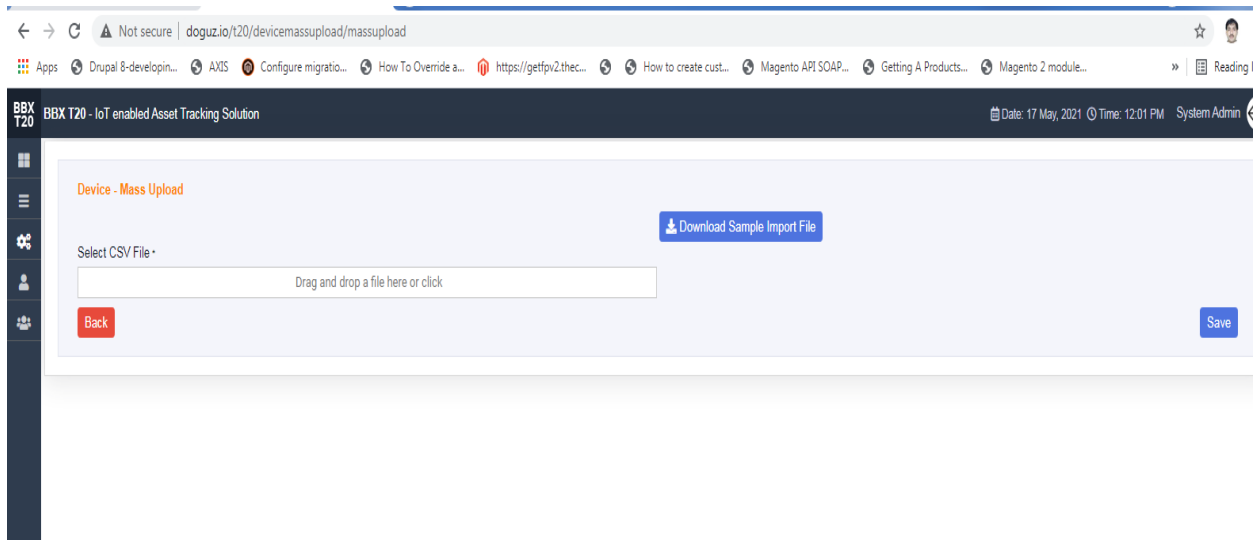
For assigning devices to Distributor



The screenshot shows the 'Assign Device' form in the BBX T20 system. It features two dropdown menus: 'Device*' with 'Select Some Options' and 'Assignes*' with 'Select an Option'. There are 'Back' and 'Save' buttons at the bottom of the form.

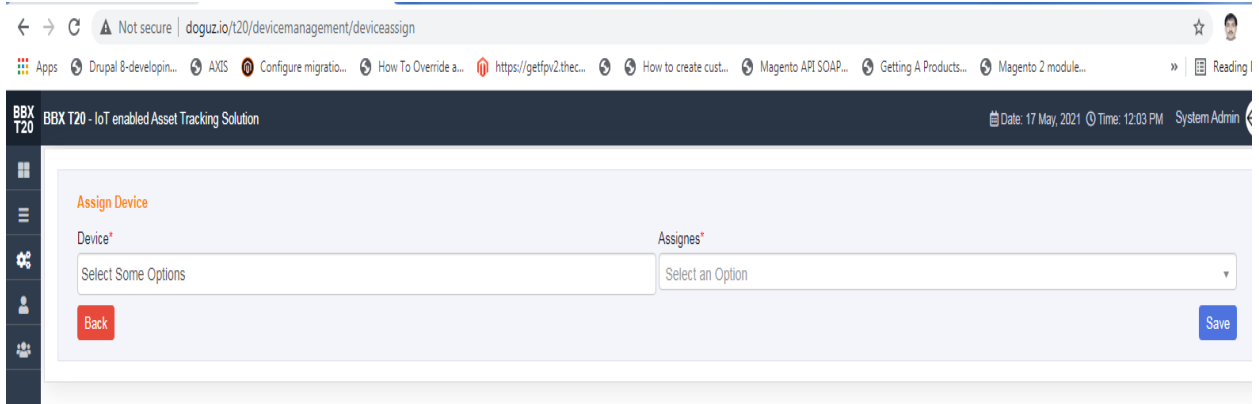
2.3 Device Mass upload

Bulk devices can be uploaded from this section



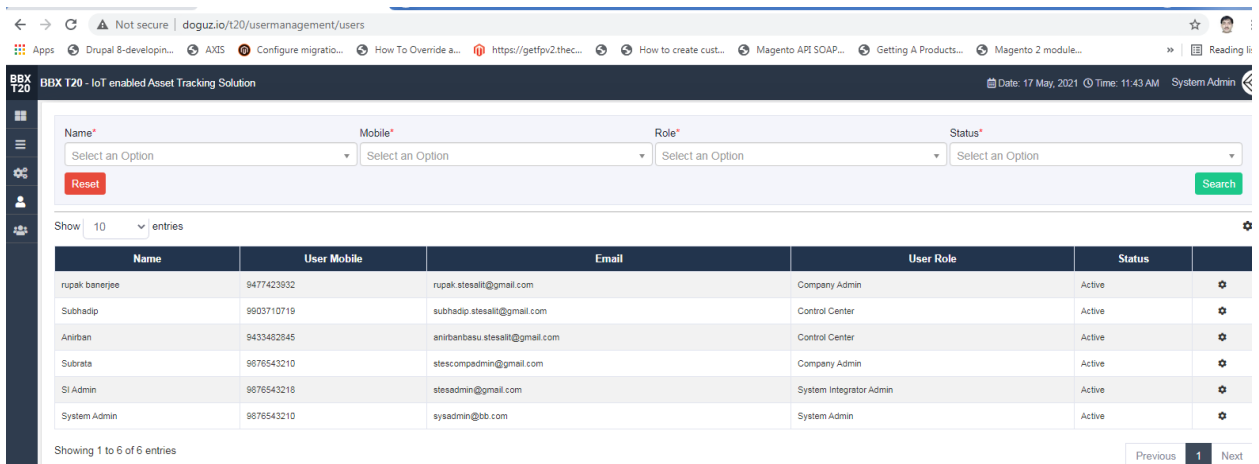
2.4 Assign Devices to Distributor

Multiple devices can be assigned to a distributor



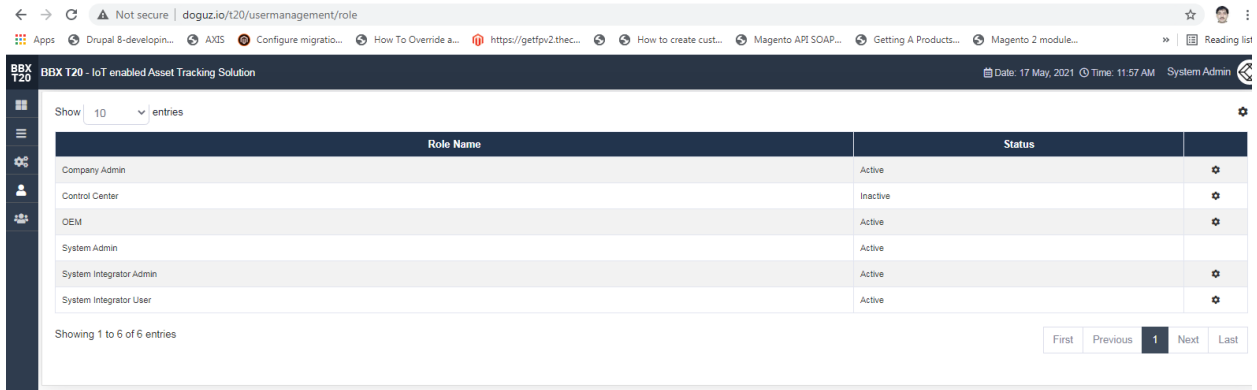
2.5 User Management:

Add, Edit, Delete and Reset password operations can be done from this section



2.6 Role Management

Add, Edit, Delete operations of a Role can be done from this section



BBX T20 - IoT enabled Asset Tracking Solution

Show 10 entries

Role Name	Status	
Company Admin	Active	⚙️
Control Center	Inactive	⚙️
OEM	Active	⚙️
System Admin	Active	
System Integrator Admin	Active	⚙️
System Integrator User	Active	⚙️

Showing 1 to 6 of 6 entries

First Previous 1 Next Last

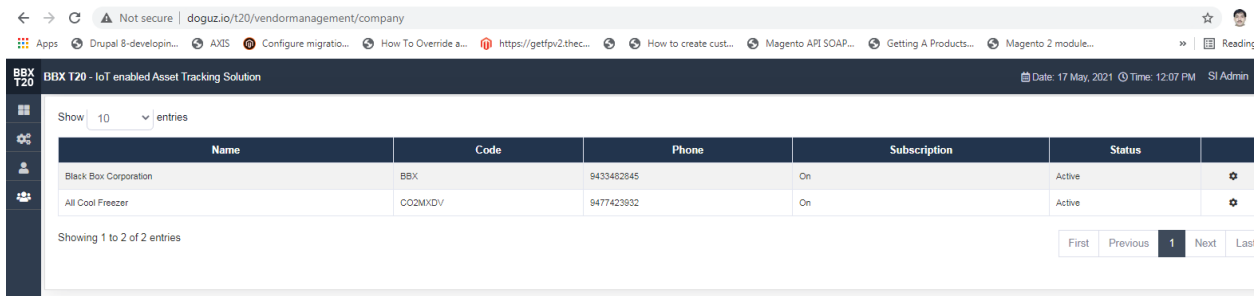
3. Distributor Login

3.1 Device creation

It's same as OEM Role as mentioned above.

3.2 Company creation

A distributor can create multiple companies. A distributor can perform edit or delete operations of a company from this section



BBX T20 - IoT enabled Asset Tracking Solution

Show 10 entries

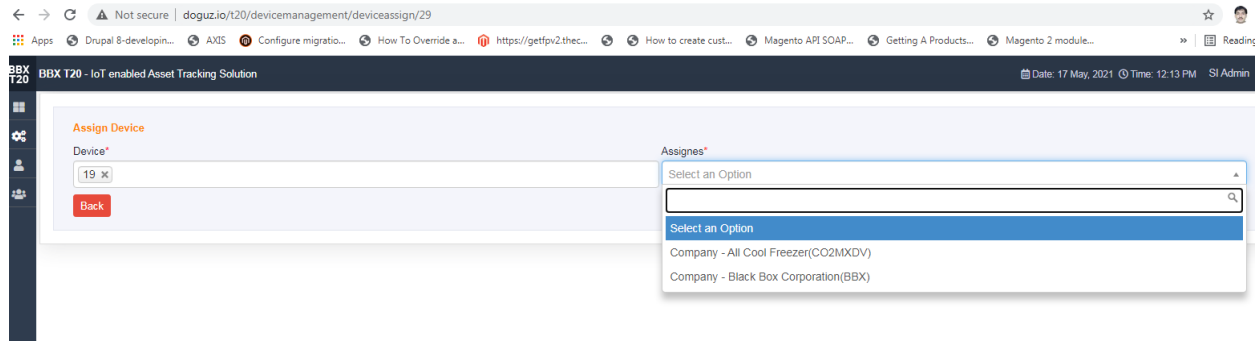
Name	Code	Phone	Subscription	Status	
Black Box Corporation	BBX	9433462845	On	Active	⚙️
All Cool Freezer	CO2M/DV	9477423932	On	Active	⚙️

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

3.3 Assign devices to Company

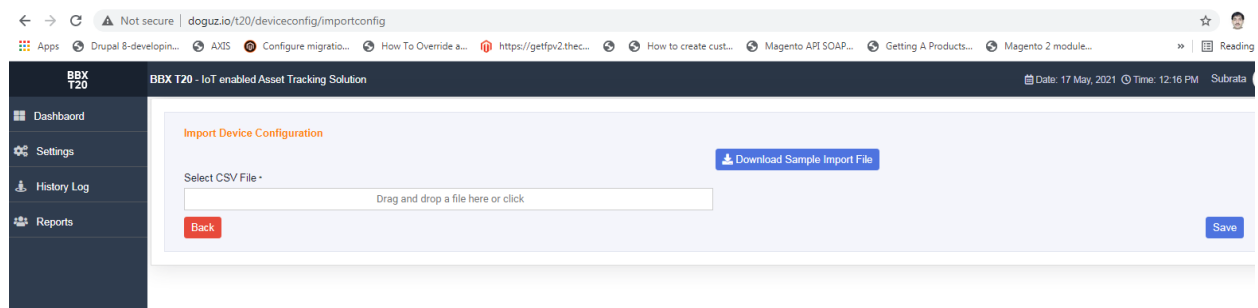
Multiple devices can be assigned to a company



4. Company Login

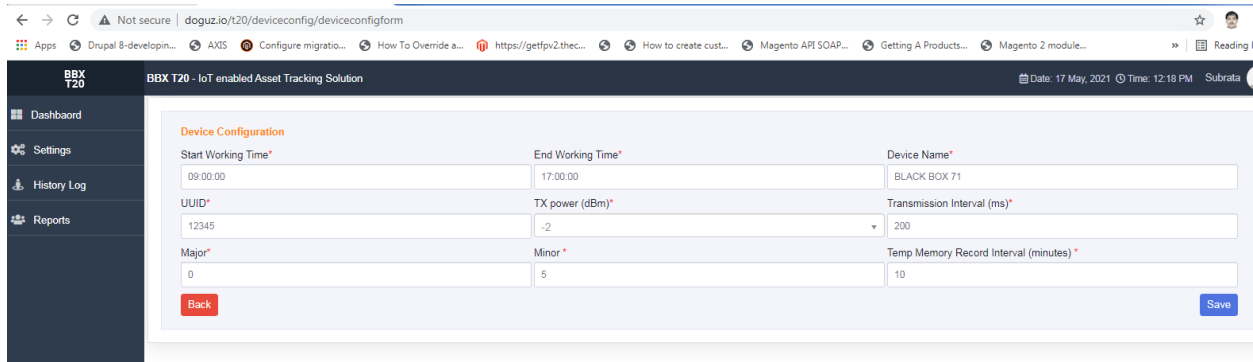
4.1 Import Device Configuration - through CSV

Device configuration can be imported into the system through a CSV file. Users can also download its format.



4.2 Device Configuration - through Form

Device configuration can be edited from this section. This configuration will be updated to the devices



The screenshot shows a web browser window displaying the 'Device Configuration' form in the BBX T20 IoT enabled Asset Tracking Solution. The browser address bar shows 'doguz.io/t20/deviceconfig/deviceconfigform'. The page title is 'BBX T20 - IoT enabled Asset Tracking Solution'. The date and time are 'Date: 17 May, 2021' and 'Time: 12:18 PM'. The left sidebar contains 'Dashboard', 'Settings', 'History Log', and 'Reports'. The main content area is titled 'Device Configuration' and contains the following fields:

Start Working Time*	End Working Time*	Device Name*
09:00:00	17:00:00	BLACK BOX 71
UUID*	TX power (dBm)*	Transmission Interval (ms)*
12345	-2	200
Major*	Minor *	Temp Memory Record Interval (minutes) *
0	5	10

There are 'Back' and 'Save' buttons at the bottom of the form.

4.3 Firmware updates Log

Once firmware is updated from the mobile APP. System also maintain log of device configuration

BBX T20 BBX T20 - IoT enabled Asset Tracking Solution Date:

- Dashboard
- Settings
- History Log
- Reports

Edit Floor

MAC*	Firmware Version*	Firmware Update Time*
<input type="text" value="84:71:27:21:84:71"/>	<input type="text" value="5.0"/>	<input type="text" value="2021-05-11 22:34:08"/>
Sync. By*	Created At*	
<input type="text" value="admin"/>	<input type="text" value="2021-05-11 22:34:08.741567"/>	

Log Data

Title	Value	Is Updated?
Start Working Time	9	No
End Working Time	23	No
Device Name	BLACK BOX 71	Yes
UUID	e5c56db5-dfb-48d2-b060-d0f5a71096e0	No
TX power (dBm)	-1	No
Transmission Interval (ms)	200	No
Major	88	No
Minor	252	No
Temp Memory Record Interval (minutes)		No

5. App Operational flow for T20 Version 2

1. After opening the application, user has to Login using UserID & Password.

Checking Internet connection and proper credential, the application performs Sign In operation.

AlertWear T20

User Id

admin

Password

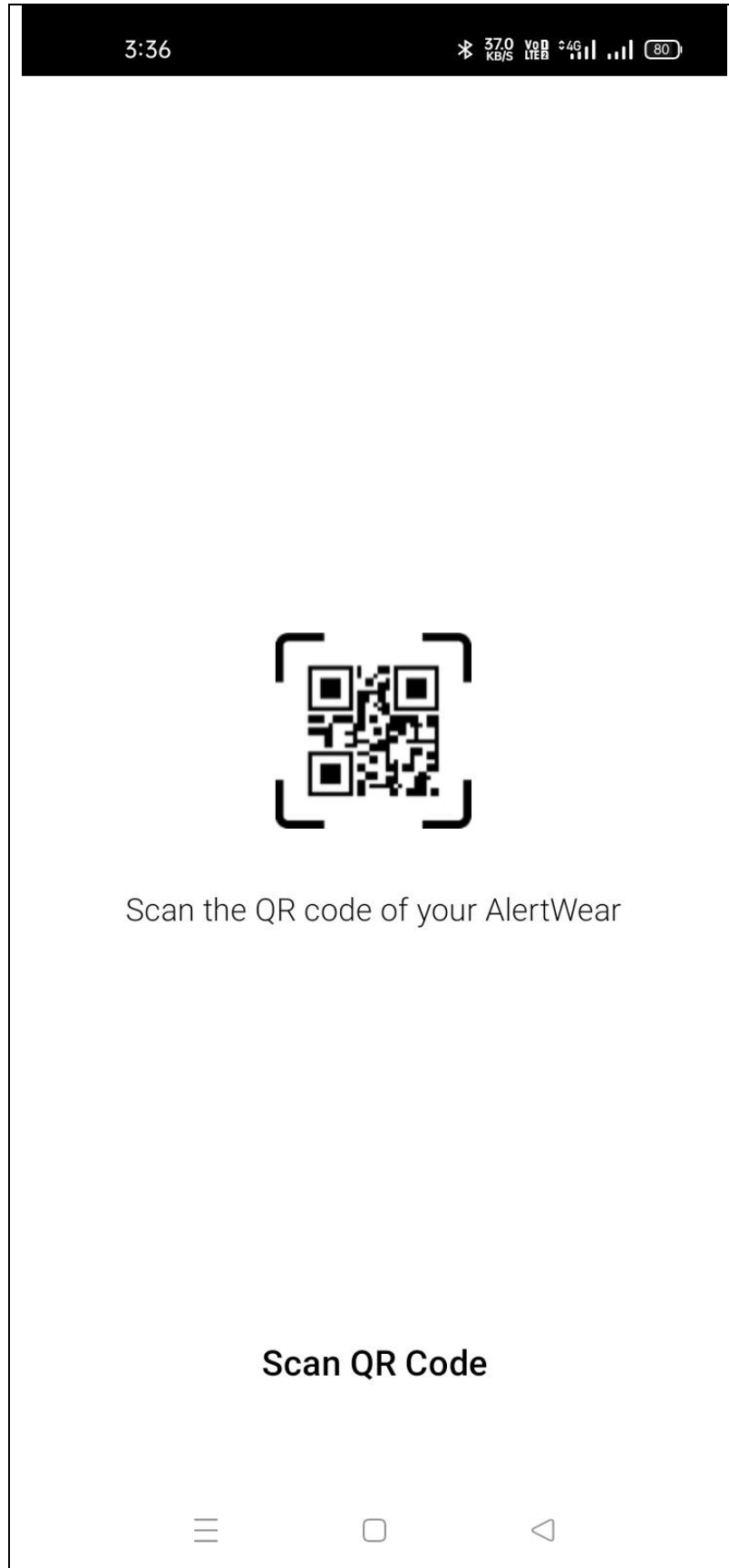
sil123



SIGN IN

2. After Log In, User will redirect to Scan Page. Here MAC Id of nearby Device will be scanned and store for future reference.









Click on Sync Data to download Device configuration detail based on Scanned MAC Id to our Local DB.




3. Clicking on GO button, User will redirect to Update page. Click on Update Alertwear button. It may be show a message “Please wait” if the internal process for updating data is still remaining.
4. Clicking this button all updatable data from Local DB will be written to near by selected Beacon device and after successful completion of that, a Dialog will appear to confirm to change Device Name. If user wants, there is also a place to put Device Name(16 ch. max). After changing the Device Name all the updated data will be synced to server and the entire process will be completed. Once the sync is completed, Upload Alertwear Button will be turned to Red, CLOSE Button, by which user can either redirect to Scan Page again for updating next T20 device same as before or quiet the app.










Note:


- 1. Bluetooth, Location must be ON during the whole process from start to end.**
- 2. Internet connection must be Good and uninterrupted.**


2:05 PM        91% 

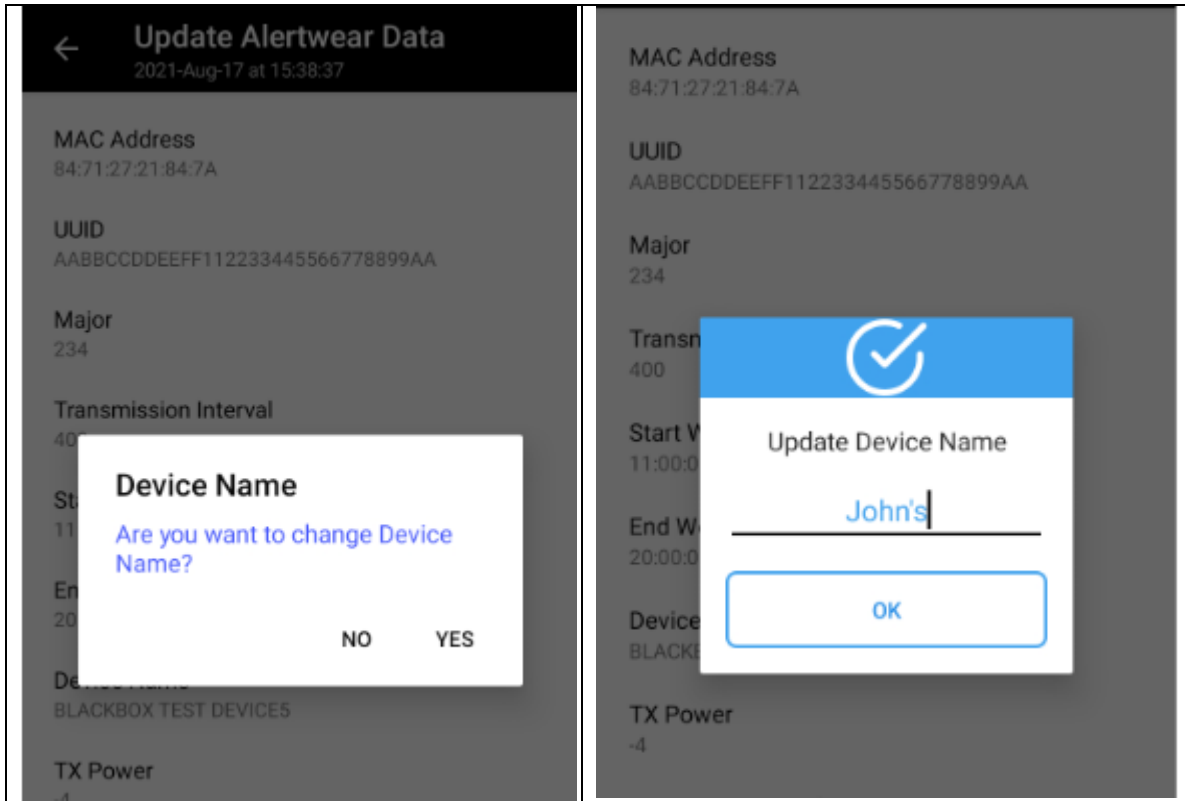
 **Update Alertwear Data**
2021-Jul-13 at 14:05:28

04. / 1.27.21.04.7A

UUID	
A1234567891245677654321234567897	
Major	
0	
Minor	
5	
Transmission Interval	
200	
Start Working Time	
08:00:00	
End Working Time	
18:00:00	
Device Name	
BLACKBOX TEST DEVICE	
TX Power	
-2	
Beacon Measured Power	
-60	
FW Version	
5.0	







The screenshot displays a mobile application interface for updating alertwear data. The background shows a list of settings: MAC Address (84:71:27:21:84:7A), UUID (AABBCCDDEEFF112233445566778899AA), Major (234), Transmission Interval (400), Start W (11:00:0), End W (20:00:0), Device (BLACKBOX TEST DEVICE5), and TX Power (-4). A confirmation dialog is overlaid on the screen, titled "Device Name", with the text "Are you want to change Device Name?". The dialog has two buttons: "NO" and "YES". A blue checkmark icon is visible in the top right corner of the dialog area.