

Mobile Software



Meterman



Powered by Android

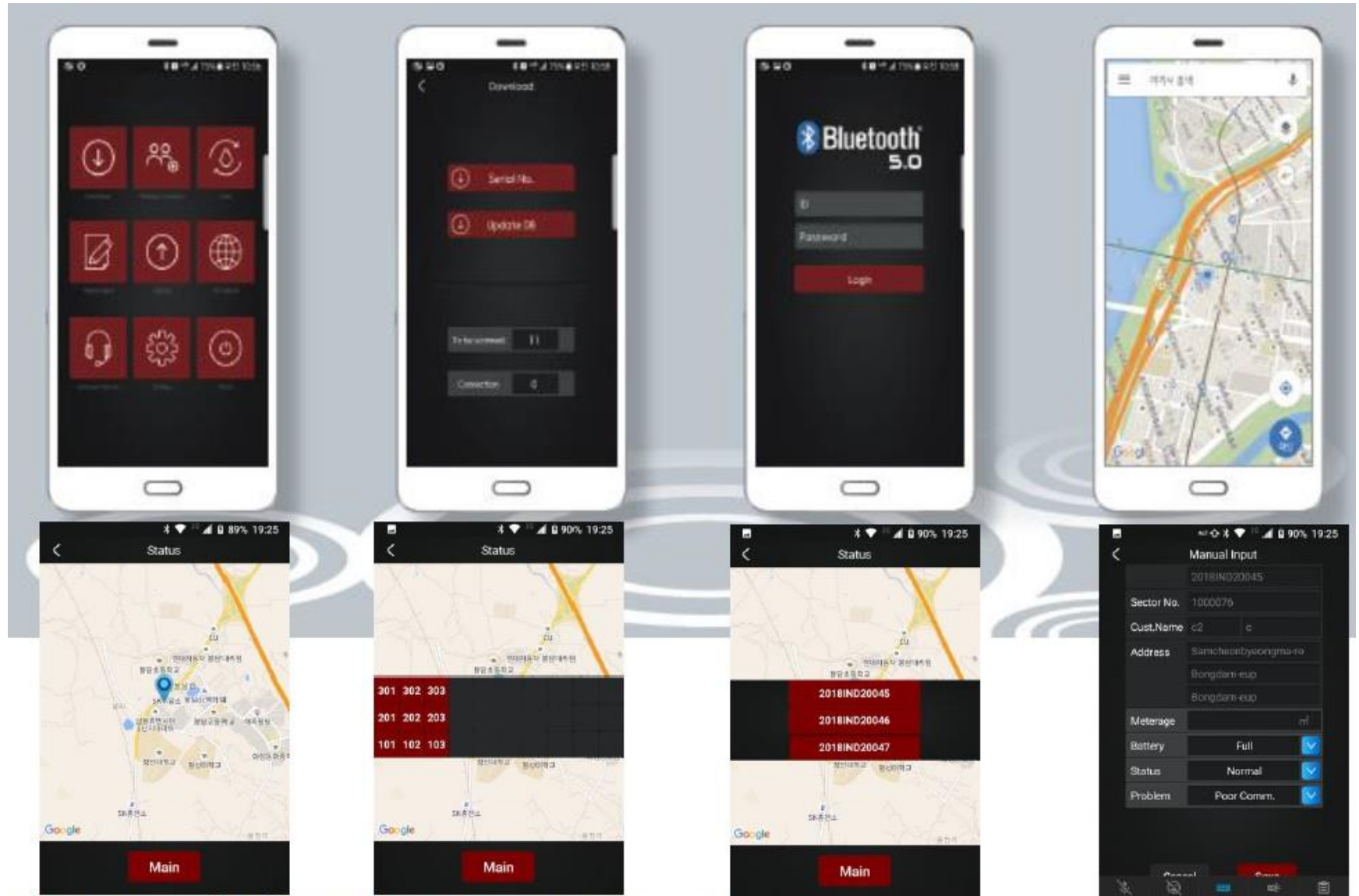


Bluetooth 5.0 above



SHIN DONG A Electronics

Bluetooth App Overview



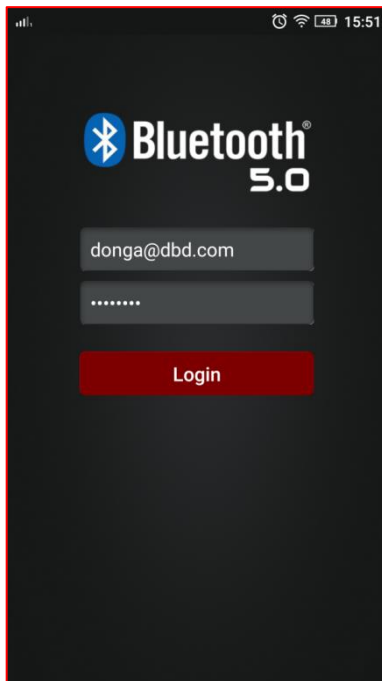
Geo Location of Building Floor wise Apartments

Apartment wise meters

Customer details

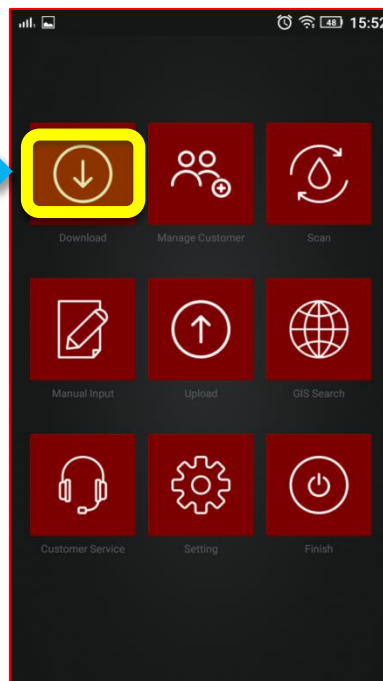
Bluetooth API Guide

STEP 1 : LOG IN



"Put ID & Password"

STEP 2 : Download



Touch
"Download"
Icon

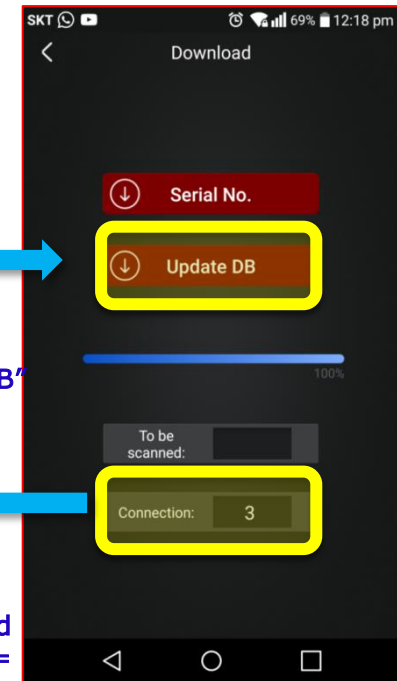
"Download"

: Total No. of Connection & No. of Meters of the Group

✓ Customer details(Name, Address), Meter serial, No. are registered in Drop B

Y

STEP 3 : Update DB



Touch
"Update DB"
Icon

In this Group
The registered
Connections =
3

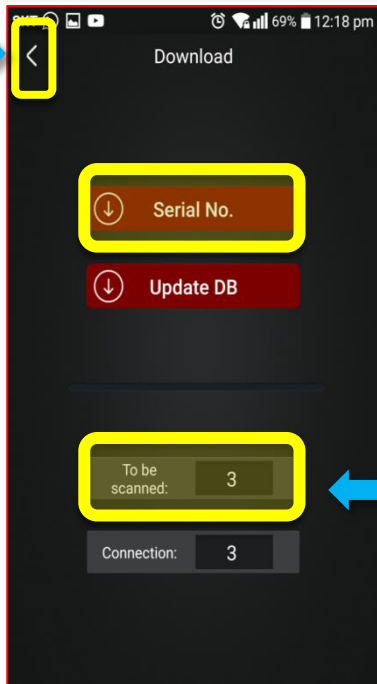
"Update DB"

: No. of connections in a group will be downloaded/updated

Bluetooth API Guide

Go to Main Menu

STEP 4 : Serial No.



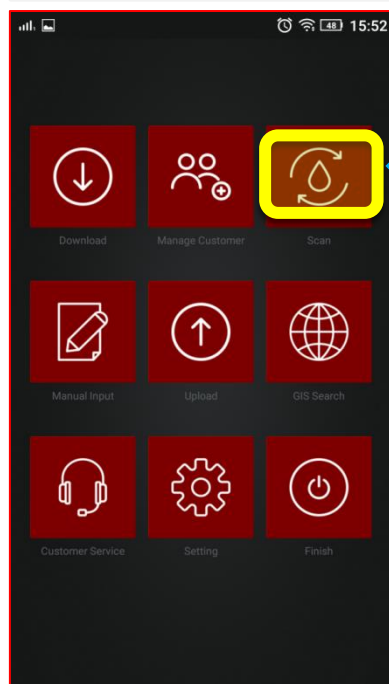
In this Group
The registered
Connections =
3

"Serial No."

: No. of Meters connected in the Group will be displayed

✓ After "Update DB" & "Serial No.", Go to Main Menu (Click "<" Icon)

STEP 5 : Scan

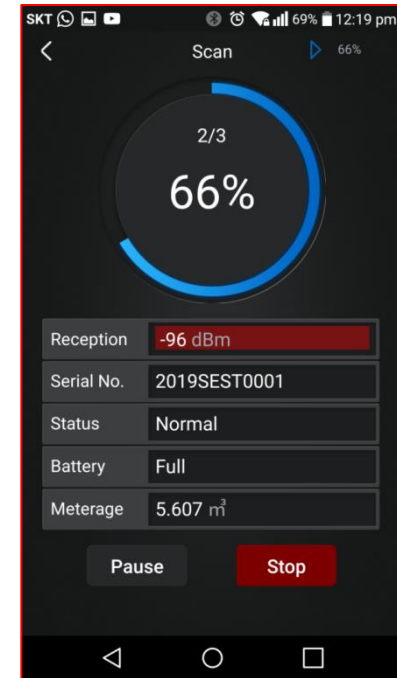


Touch
"Scan"
Icon

"Scan"

: Scan "Meter Data" from "BLE Meter into the Mobile app"

✓ "Bluetooth" & "GEO location icon" of the mobile should be on, during scanning process



Meter are scanning :

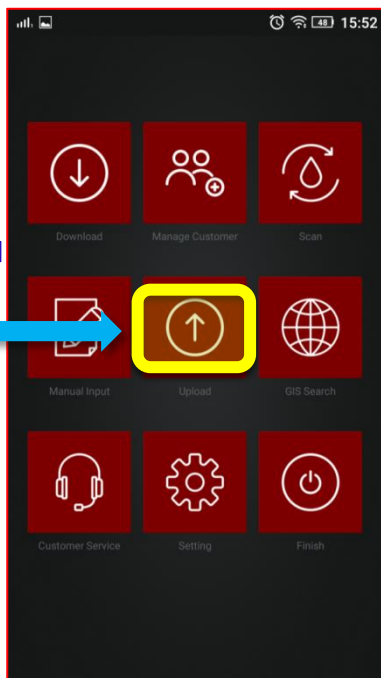
- 1) 2 meters out of 3 have scanned ready
- 2) 100% : all meters are scanned

✓ After "Scan.", Go to Main Menu (Click "<" Icon)

Bluetooth API Guide

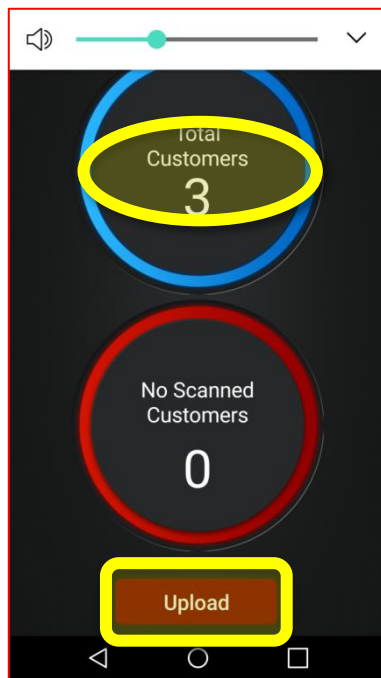
STEP 6 : Upload Data

Upload



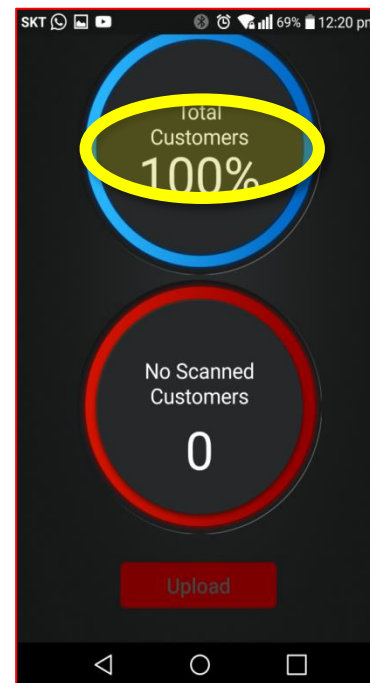
"Upload"

: Click on "upload", for uploading "Scanned Data" to DBD server



"Upload"

: Total No. of Meters(Data) to be uploaded are : 3



"Upload"

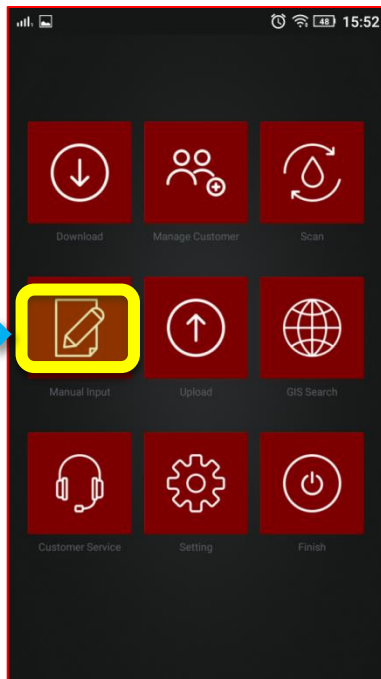
: When all Data will be uploaded, It will show 100%

Bluetooth API Guide

If the meter not "Scanned"

Manual Input : Touch "input Data" manually,

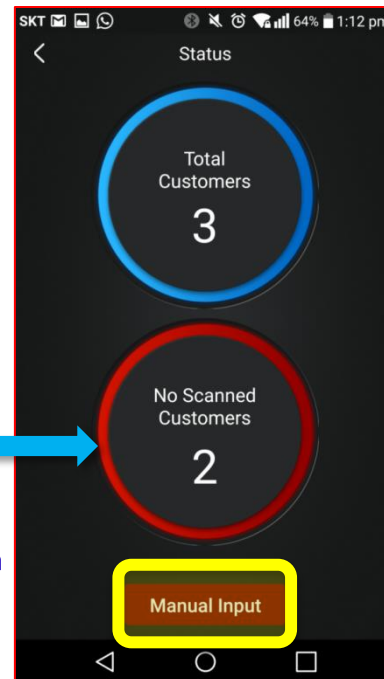
STEP 1 : Manual Input



Manual Input

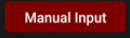
"Manual Input"
: To input manually not scanned data

STEP 2 : Not Scanned

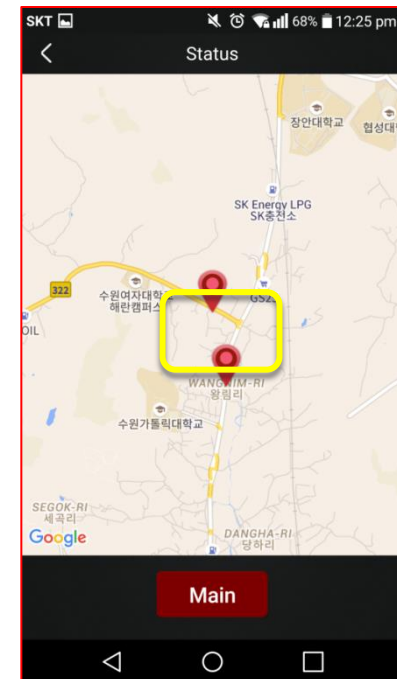



2 meters Not scanned

"Manual Input"
: 2 meters need to input manually (in this pic)

✓ Click on 
" " ,
To see "Meter Location"

STEP 3 : Meter Location



"Meter Location"
: "Geo Location" guide to Meter Location
✓ Click on  " ,
The location of Meter will be visible

Bluetooth API Guide

If the meter not "Scanned"
Manual Input : Used to "input Data" manually,

STEP 4 : Meterage

Manual Input

2019SEST0001

Sector No. 1000091

Cust.Name Amit A

Address 92-1 Wangnim-ri Bongdang-dong

Meterage 5 m³

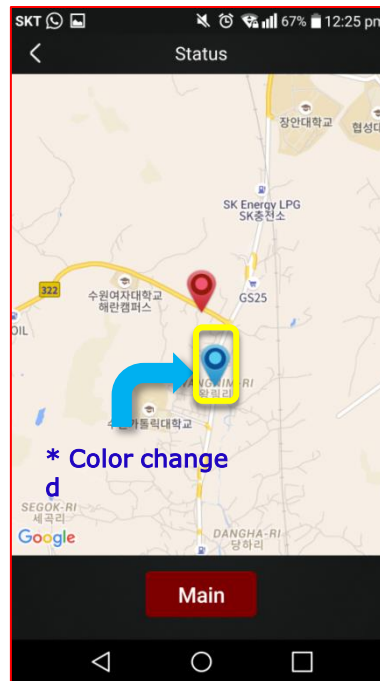
Battery Full

Status Normal

Problem Poor Comm.

Cancel Save


Input Meterage



Go to Main Menu



"Manual Input"
: Input "Meterage" and "Save"
Data

✓ Click on ,
To save data

"Color Changed"
: After Saving the Meterage,
the color of "Meter Symbol"
will change (From RED to BLUE)

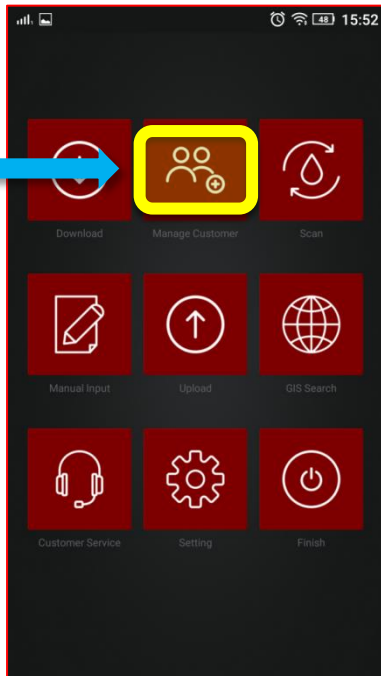
✓ After complete
"Manually Input.",
Go to Main Menu
(Click "<" Icon)

Bluetooth API Guide

Manual Input

Manage Customer : To Manage "Customer's information"(Name, Address, Meterage)

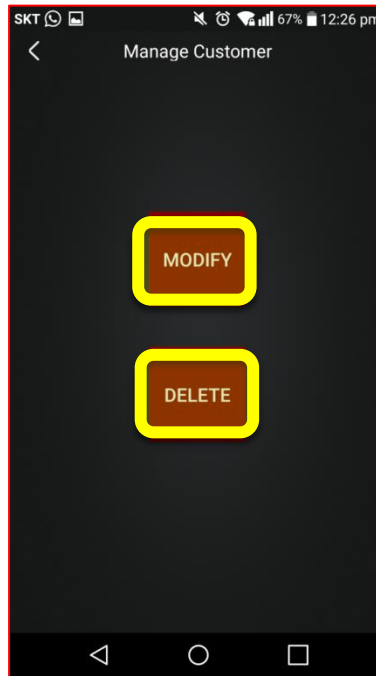
STEP 1 : Manage Customer



Manage Customer

"Manage Customer"
: Purpose is to edit customer's Information

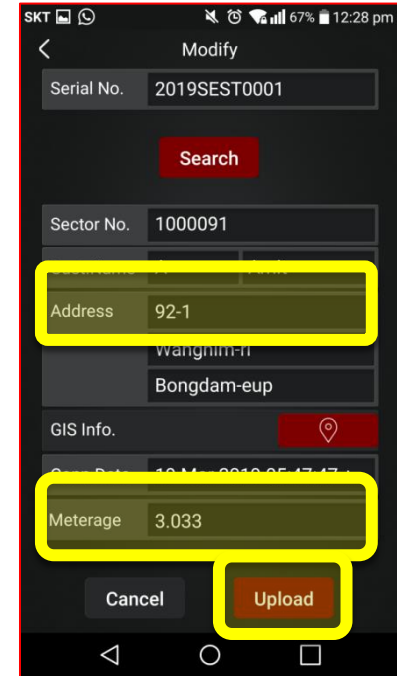
STEP 2 : Edit/Modify



"MODIFY"
: To Modify Customer's Details

"DELETE"
: To Delete customer from the Group

STEP 3 : Upload



"Upload"
: Upload modified data

✓ Data that can be modified
1) Name & Address
2) Meterage
Then "Upload" to DBD

Mobile Software



User



Powered by Android



Bluetooth 5.0 above



SHIN DONG A Electronics

Overview

Dashboard

Consumer no: 12345678

Alerts

Share Source

Total Consumption **4.78 KL**

Monthly Estimate **16.45L**

Bill History Usage

Control

My Weekly Consumption Compared with society

Readings Bills Dash Complaint Settings

Usage

Consumer no: 12345678

DAILY WEEKLY MONTHLY

06 Aug 2019

Date	Usage (KL)
30 Jul	3.7
31 Jul	74.4
1 Aug	32.0
2 Aug	75.0
3 Aug	22.7
4 Aug	39.1
5 Aug	76.5

Bar Line

Readings Bills Dash Complaint Settings

Select Language

- English
- Hindi
- Marathi
- Korean
- Chinese
- Vietnamese
- Spanish
- Indonesian
- Malay

Readings Bills Dashboard Complaint Settings

Complaint

Consumer no: 12345678

REGISTER VIEW STATUS

COMPLAINT DETAILS

*Complaint Type
--Select Complaint Type--

*Complaint Sub Type
--Select Complaint Sub Type--

*Description
Enter Description

Select Photo

CAMERA GALLERY

SUBMIT

Readings Bills Dashboard Complaint Settings

Readings

Consumer no: 12345678

Multiple Meters detected!

Address: 92-5, Wangnim-ri, Bongdam eup., Hwaseong si, Gyeonggi-do, SOUTH KOREA

1. Meter Sr. No. : 2019SEST0001

Location	Use	Last Read/Date	Action
Kitchen	Drinking	6306.13 16/04/2019 12:58:38	

Frequency: Daily Type: AMR-Wireless - BLE Automatic

2. Meter Sr. No. : 2019SEST0002

Location	Use	Last Read/Date	Action
Bathroom 1	Utility	7850.00 16/04/2019 13:05:59	

Frequency: Weekly Type: Manual-Wireless - BLE Scan Reading

Readings Bills Dashboard Complaint Settings

Vodafone IN

View Bills

Consumer no: 12345678

Due Date: 25/10/2019

Balance: **Rs. 4350.00**

Make Payment

Billing Period: From 21/06/2019 To 21/07/2019

Current Bill Date: 21/07/2019

Current Bill: Rs. 4350.00

Last Bill: Rs. 4350.00

Total Paid: Rs. 4350.00

View Bill

Readings Bills Dashboard Complaint Settings

Meter Valve

Consumer no: 12345678

Premise has Multiple Valve

Address: 92-5, Wangnim-ri, Bongdam eup., Hwaseong si, Gyeonggi-do, SOUTH KOREA

BATHROOM 1 BATHROOM 2 KITCHEN

1. Meter Sr. No. : 534525254235

Location : Main Connection Outside
Meter fitted with inbuilt valve

Current Position : Closed

New Position

TODAY NEXT CHECK-IN

Readings Bills Dash Complaint Settings

Settings

Consumer no: 12345678

Language: English

Notifications

Meter

Contact Us

Version: 1.0.0

About Us

Readings Bills Dashboard Complaint Settings

Dashboard

Consumer no: 12345678

Month	Consumption (KL)
Sep 19	9.7
Oct 19	91.9
Nov 19	49.2
Dec 19	97.7
Jan 20	14.2
Feb 20	83.9
Mar 20	93.2
Apr 20	48.2
May 20	84.2
Jun 20	77.8
Jul 20	15.0

Readings Bills Dash Complaint Settings

Welcome Back,

Sign in to continue

Email

Password

Forgot Password?

Login

New user? Sign Up

Readings Bills Dashboard Complaint Settings

Dashboard



Meter wise Alerts, action like message/complaint/control

Share the family members and friends Current App Screen Image,

Month wise bill History Graph

Meter wise valve control, if installed

Weekly Total Consumption Up/Down

Current Bill, View, Download pdf, Payment options

current reading, meter asset details, Wireless Scan Reading, Barcode/qr code scan reading, image capture, manual reading, image upload

Consumer/Customer Number as registered in DBD

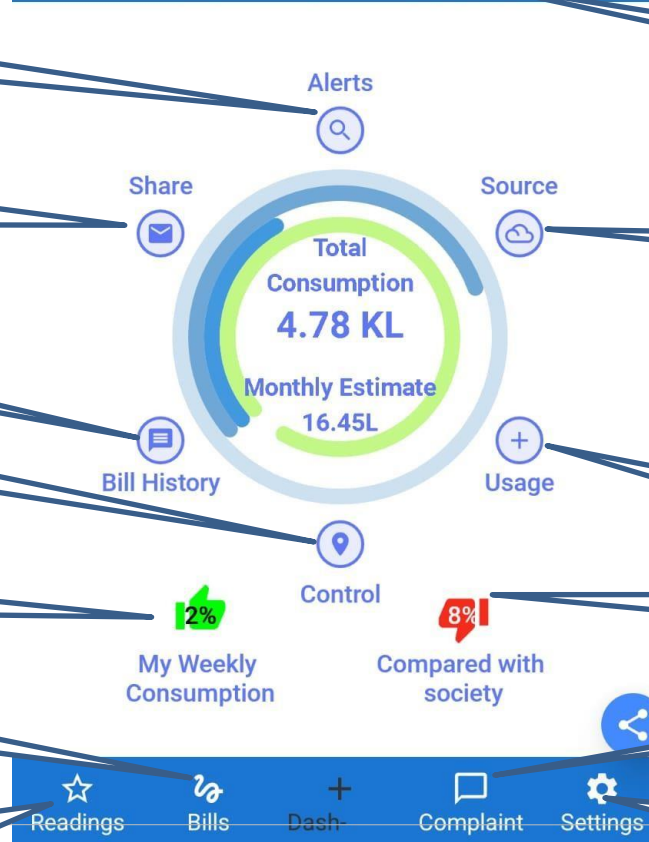
Source and Usage Graph

Daily/ Monthly/ Yearly wise Consumption graph

Total Consumption Up/Down % with Group

Complaint management

Language, About App version, Help, Update, contact us



Alerts

Share

Source

Bill History

Usage

Control

My Weekly Consumption
2%

Compared with society
8%

Readings

Bills

Dash

Complaint

Settings

Meter Reading Management

This App option is for meter reading for consumer self app, either with meter auto reading (where available) or Manual reading input then upload to DBD for billing with /without image upload.

Readings
Consumer no: 12345678

Multiple Meters detected!
Address: 92-5, Wangnim-ri, Bongdam eun, Hwaseong si.Gyeonggi-do, SOUTH KOREA

1. Meter Sr. No. : 2019SEST0001

Location	Use	Last Read/Date	Action
Kitchen	Drinking	6306.13 16/04/2019 12:58:38	Automatic
Frequency	Type		
Daily	AMR-Wireless - BLE		

2. Meter Sr. No. : 2019SEST0002

Location	Use	Last Read/Date	Action
Bathroom 1	Utility	7850.00 16/04/2019 13:05:50	Scan Reading
Frequency	Type		
Weekly	Manual-Wireless - BLE		

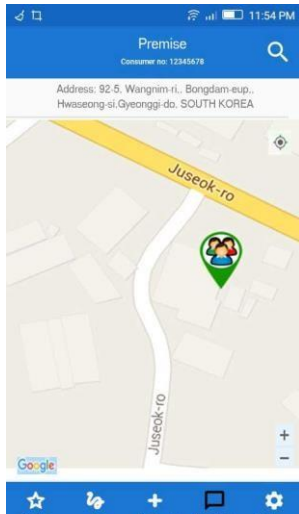
Callouts:

- If multiple, OR "Single meter Detected"
- Premise Location Map
- Meter Serial number in DBD
- Registered premise Address in DBD
- Registered meter Address in DBD, on map
- Consumer allocated Location in DBD via Settings: meters
- Water Use Type
- Reading Frequency set in DBD
- Last Reading & Time stamp
- Meter Reading Action: Grey: AMR, automatic reading: No action required
- Meter Reading Action: Green: Take reading with scanning Wireless meter (with Compatible mobiles)
- Meter Reading Action for manual Meters: Green: Enter Reading (Optional upload image) (Option to Scan Barcode/QR Code for extra precaution)
- Meter Reading Action: Red: Error, >> Reading not possible due to : 1. Reading frequency period not over, Try afterward
- Reading Method for Consumer:
 - AMR** : Automatic
 - Manual Wireless** : Scan Reading
 - Manual** : Enter Reading (Optional upload image) (Option to Scan Barcode/QR Code for extra precaution)

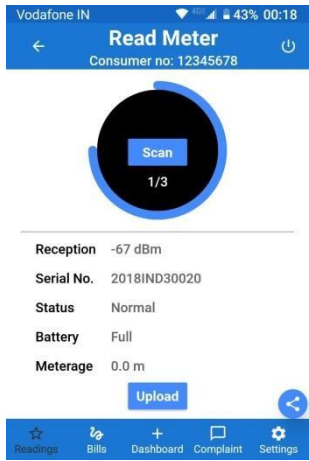
Bottom Navigation: Readings, Bills, Dashboard, Complaint, Settings

Meter Reading Management

Premise Location on Map



Meter Reading Action:
Green: Take reading with scanning Wireless meter (with Compatible mobiles)



Readings
Consumer no: 12345678

Multiple Meters detected!
Address: 92-5, Wangnim-ri., Bongdam eup., Hwaseong si.Gyeonggi-do, SOUTH KOREA

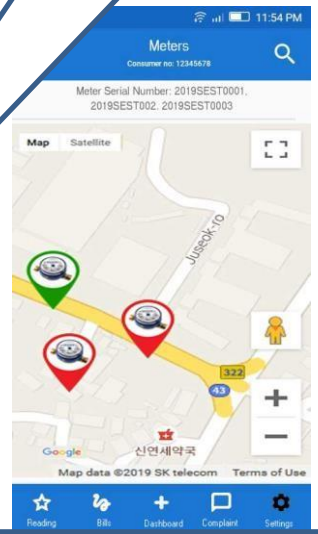
- Meter Sr. No. : 2019SEST0001**

Location	Use	Last Read/Date	Action
Kitchen	Drinking	6306.13 16/04/2019 12:58:38	Automatic
Frequency		Type	
Daily		AMR-Wireless - BLE	
- Meter Sr. No. : 2019SEST0002**

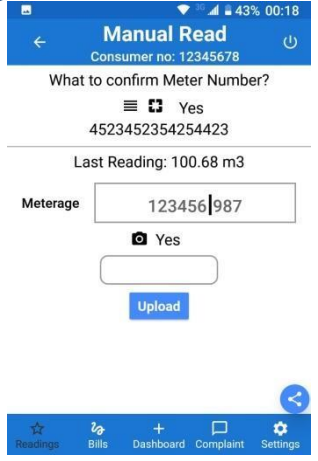
Location	Use	Last Read/Date	Action
Bathroom 1		7850.00 16/04/2019 13:05:50	Scan Reading
Frequency		Type	
Weekly		Manual-Wireless - BLE	

Readings Bills Dashboard Complaint Settings

Registered meter Address in DBD, on map



Meter Reading Action:
Green: Enter Reading (Optional upload image) (Option to Scan Barcode/QR Code for extra precaution)



Bills & Payments

This App option is for Bill for Consumer with property-wise installed meters (single or multiple), pay online, Share Bill with other family members, Download pdf and print.

The screenshot displays the mobile application interface for bill management. At the top, the status bar shows 'Vodafone IN', 4G LTE signal, 88% battery, and 18:42. The main header is 'View Bills' with a power icon and 'Consumer no: 12345678'. Below this, the 'Due Date' is 25/10/2019 and the 'Balance' is Rs. 4350.00. A blue 'Make Payment' button is prominently displayed. To the left, a 'Payment options' callout shows a 'Pay Bill' screen with 'Pay ₹1694' and various payment methods: Credit or Debit Cards, Net Banking, Wallet, ATM Pin, and EMI. To the right, a 'View Bill' callout shows a detailed bill from 'Delhi Jal Board' for consumer 12345678, including a table of bill items and a QR code. At the bottom, a navigation bar includes 'View Bill' with a share icon, and a footer bar with 'Readings', 'Bills', 'Dashboard', 'Complaint', and 'Settings'.

Payment options

View Bills
Consumer no: 12345678

Due Date
25/10/2019

Balance
Rs. 4350.00

Make Payment

View Bill

Delhi Jal Board
Consumer no: 12345678

Sl. No.	Particulars	Amount	Unit
1	Water	1000	litre
2	Electricity	500	unit
3	Gas	100	unit
4	Other	100	unit
5	Service Charge	100	unit
6	Interest	100	unit
7	Penalty	100	unit
8	Other	100	unit
9	Other	100	unit
10	Other	100	unit
11	Other	100	unit
12	Other	100	unit
13	Other	100	unit
14	Other	100	unit
15	Other	100	unit
16	Other	100	unit
17	Other	100	unit
18	Other	100	unit
19	Other	100	unit
20	Other	100	unit

View Bill
Consumer no: 12345678

Delhi Jal Board
Bill No: 12345678

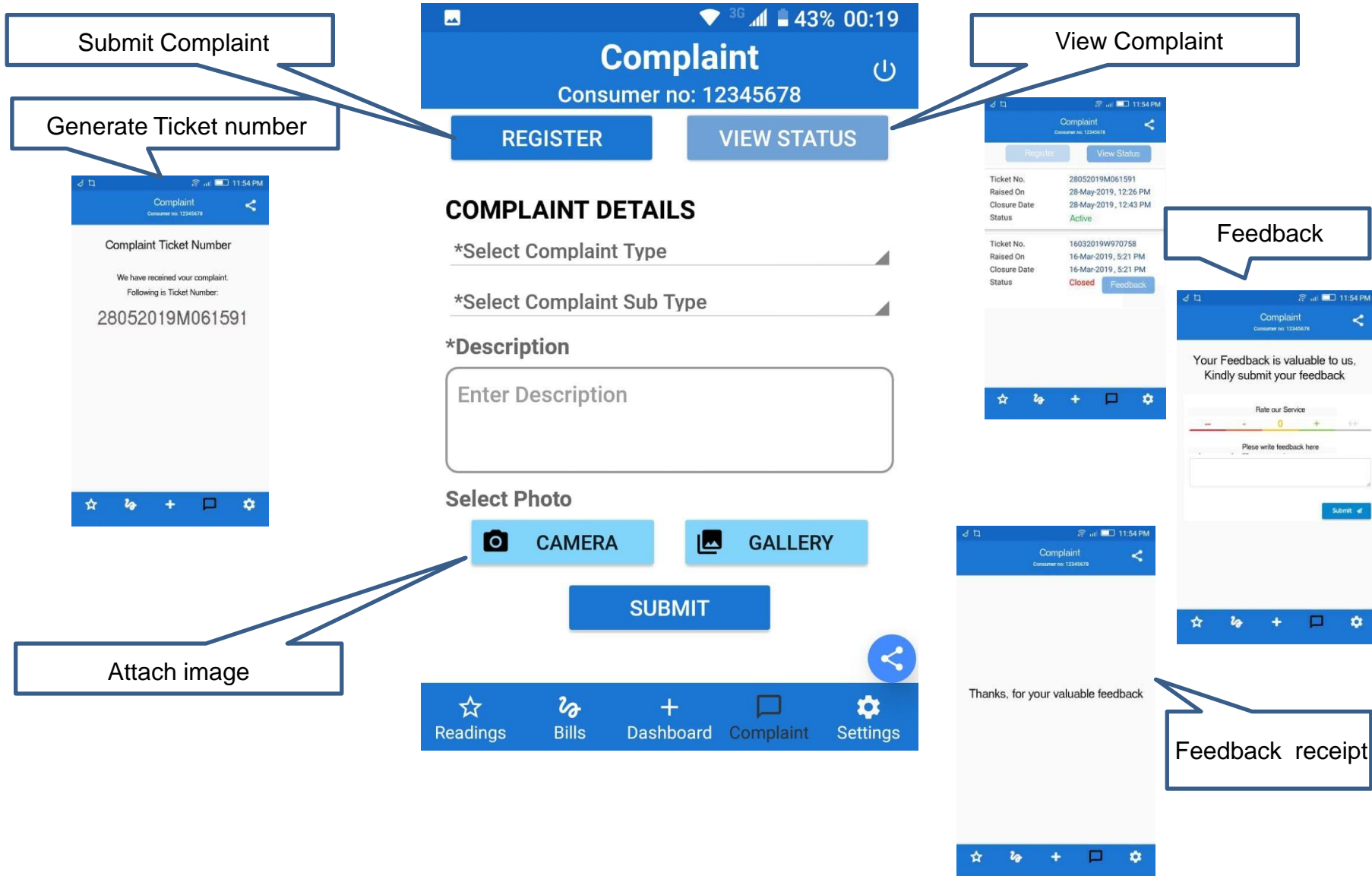
Delhi Jal Board
Bill Payment Center/Flat

View Bill

Readings **Bills** **Dashboard** **Complaint** **Settings**

Complaint Management

This App option is for Consumer complaint with respect to hardware (meter) , bills, Services and app itself. Complaint tracking number and action taken, feedback.



Settings

Mute Notifications
Family Members

Assign Location
Reading Frequency

Voice Service Clear
Cache Network
Diagnosis Check
Updates Current
Version

Privacy Policy
Service Agreement
FAQ Contact Us

Settings
Consumer no: 12345678

- Language English
- Notifications
- Meter
- Contact Us
- Version 1.0.0
- About Us

Readings Bills Dashboard Complaint Settings



Select Language

- English
- Hindi
- Marathi
- Korean
- Chinese
- Vietnamese
- Spanish
- Indonesian
- Malay