

Use Manual smartADMIN

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User Manual version: 1.0.0.0
smartADMIN Version: 1.0.0.0

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1. Introduction of smartADMIN

smartADMIN is Mobile application compatible with Android phones.

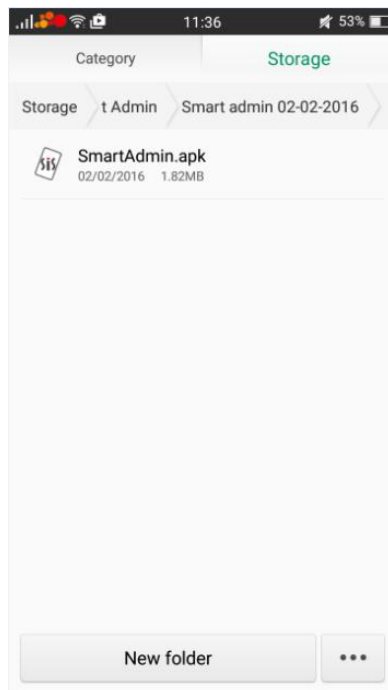
This application is used to do the settings on device using ADMIN login of device. Keeping requirements of ADMIN user, this application is created. ADMIN can do various task from remote location. ADMIN don't need to reach to device for setting parameters, adding user, etc.

smartADMIN application is used for communicating with the device through TCP IP, UDP and Bluetooth. ADMIN have facility to add user, download transactions and change device setting, ADMIN can add user and finger to controller. ADMIN can delete card or deactivate card through delete option.

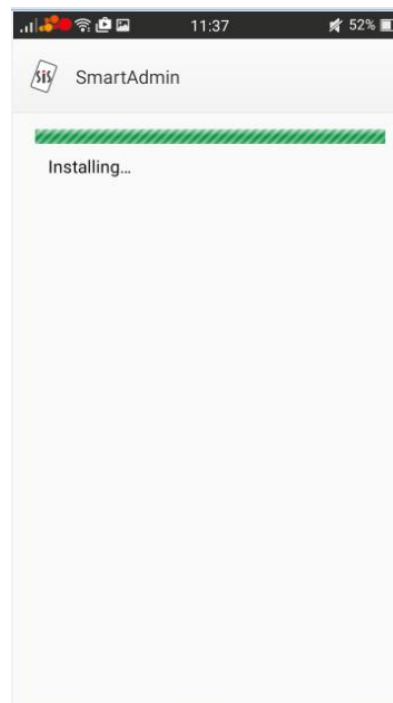
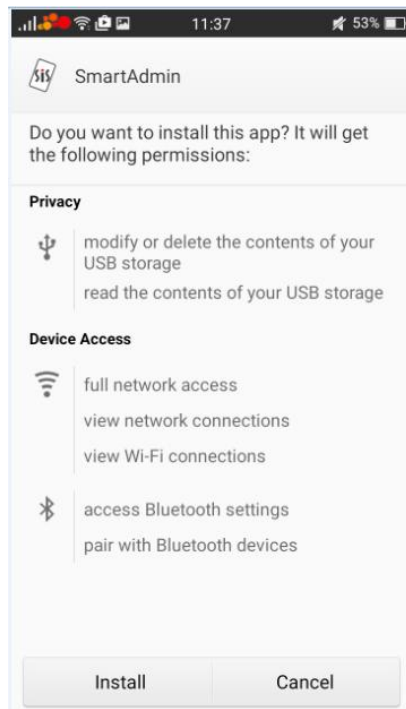
ADMIN has to authenticate with device using provided communication types to communicate with device. For authenticate with device ADMIN has to enter Username and Password of device. Default Username: 11111 and Password: 12345

2. Installation of smartADMIN:

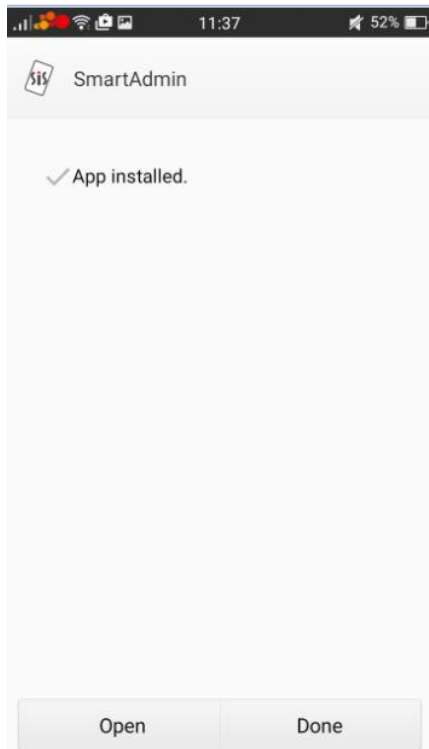
1. Open folder of APK and Run smartADMIN.apk file as shown below.



2. Click on button.

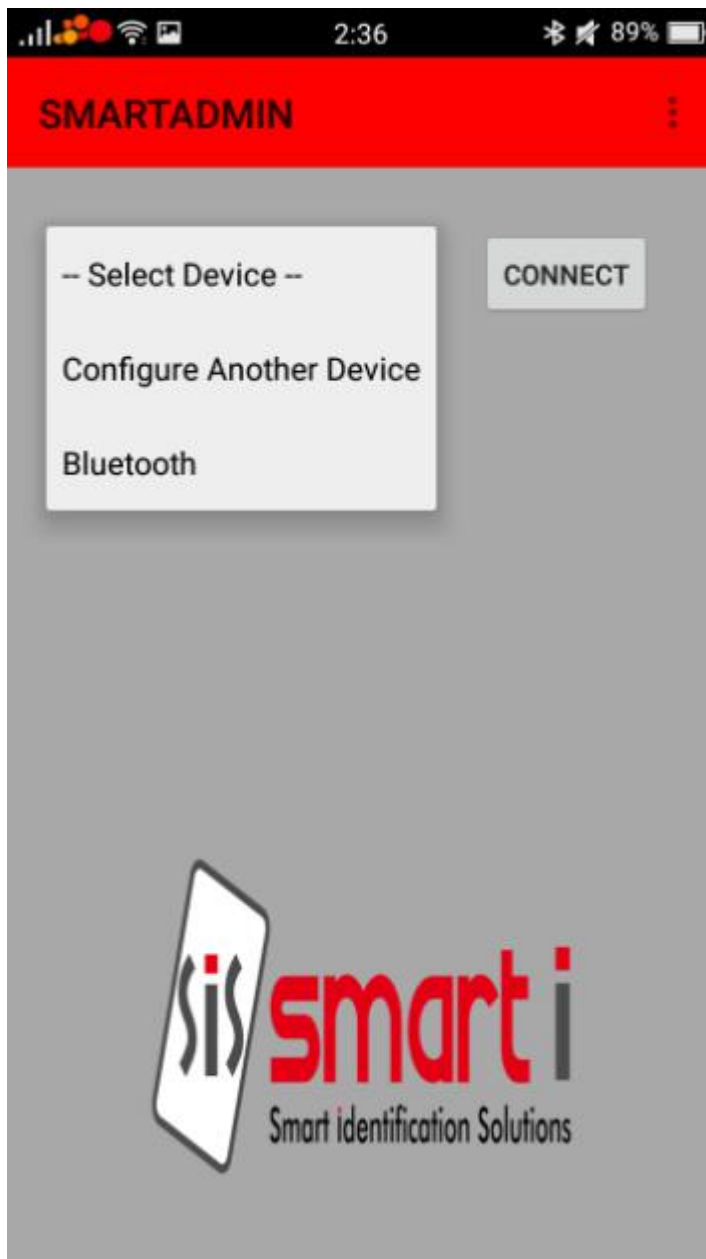


3. After successful installation it will show following window →click on done button.



Home Page:-

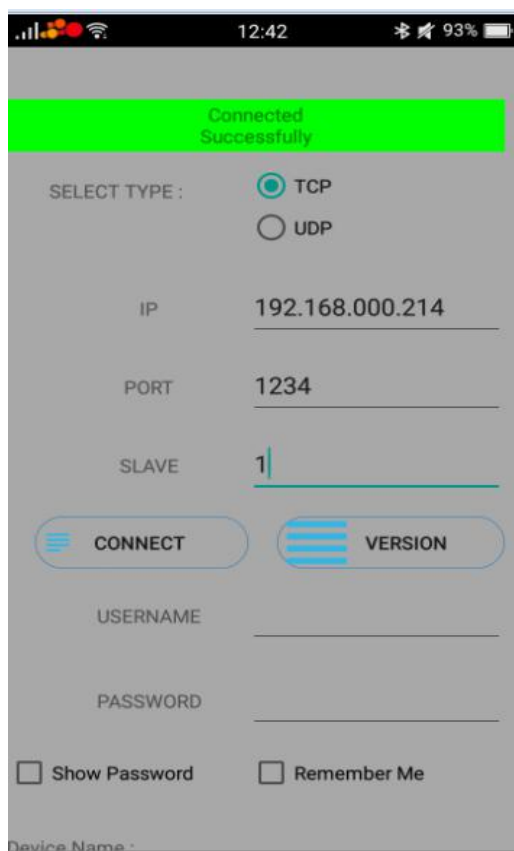
Home page of smart admin application contains configure another device (tcp/udp) and bluetooth connectivity



3. Connection Type

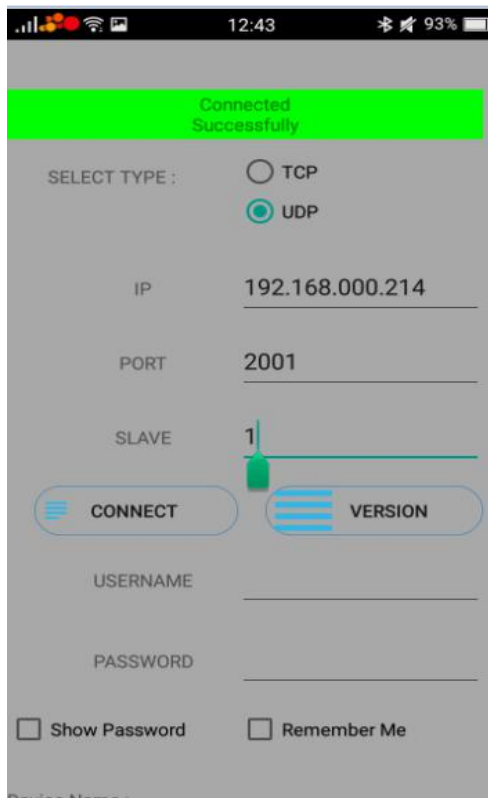
smartADMIN application is developed for communication with controller using communication modes as TCP,UDP and Bluetooth.

1. TCP Connection :- In this Type of communication we need to connect the Device Using TCP IP for which we need following details
 - a. IP Address : IP Address Of Device : Default IP is →192.168.000.200
 - b. Local Port : TCP Port of device : Default Port is →1234
 - c. Slave NO : 1 : Default Slave No → 1



UDP Connection :-

2. UDP Connection :- In this Type of communication we need to connect the Device Using UDP IP for which we need following details
 - d. IP Address : IP Address Of Device : Default IP is →192.168.000.200
 - e. Local Port : UDP Server Port of device : Default UDP Port is →2001
 - f. Slave NO : 1 : Default Slave No → 1



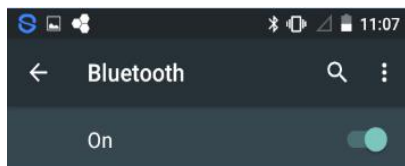
On this screen we select the communication mode, provide IP Address, Port no and slave no of the controller and connect to device and get the version.

4. Bluetooth Device Discovery:-

In Bluetooth, we select Bluetooth device from the discovery list. For Bluetooth communication mode it'll show list of paired devices and scanned devices.

Pair Bluetooth Device

select Device which you want to pair → click on Pair



Paired devices

SmartIBT

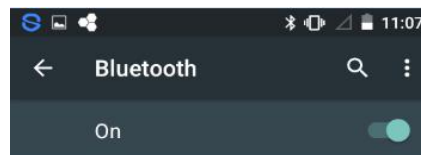
E1282T

Available devices

SMART-PREETI

Smart-i BLL

MotoE2(4G-LTE) is visible to nearby devices while Bluetooth settings is open.



Paired devices

SmartIBT

E1282T

Available devices

SMART-PREETI

Smart-i BLL
Pairing

MotoE2(4G-LTE) is visible to nearby devices while Bluetooth settings is open.



5. Login Form

TCP and UDP Log In:-

This is normal login for TCP or UDP communication mode.

After getting version number further options for ADMIN login get enabled. Here we provide username and password for ADMIN login. Default Username: 11111 and Password: 12345.

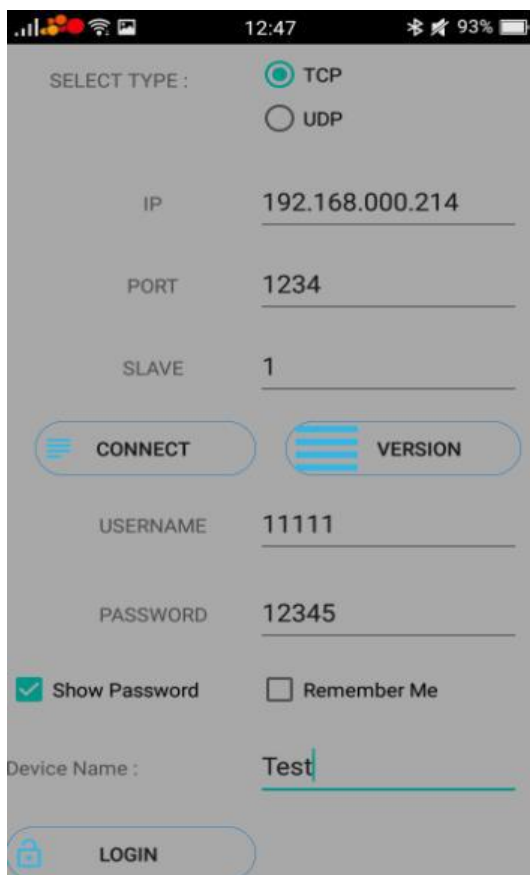
Click on CONNECT Button to Connect the device

Here we allow user to save the controller settings by giving unique Device name.

User can add one or more devices to phones database. In case of multiple device it will give drop down to select device using device name.

Show Password: It show the entered Password.

Remember Me: To save the device with given name.



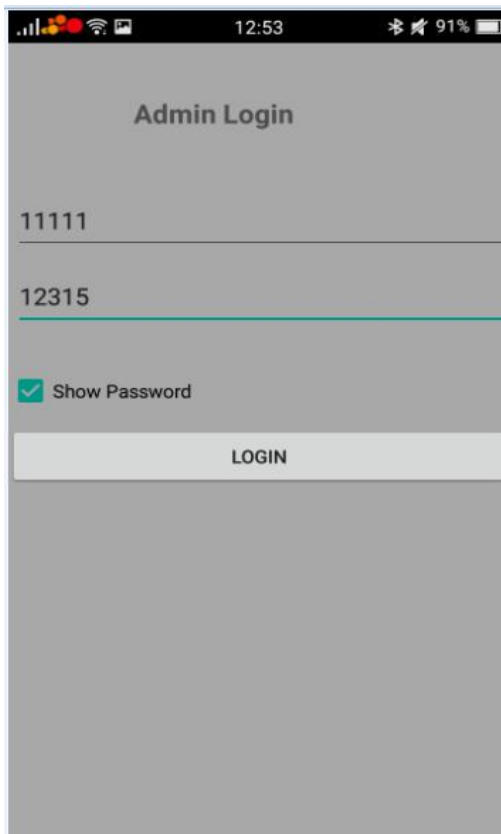
The screenshot shows a mobile application interface for logging in. At the top, there's a status bar with signal strength, Wi-Fi, and battery (93%) indicators. The main form has the following elements:

- SELECT TYPE:** Two radio buttons, with **TCP** selected and **UDP** unselected.
- IP:** A text field containing **192.168.000.214**.
- PORT:** A text field containing **1234**.
- SLAVE:** A text field containing **1**.
- Buttons:** Two buttons labeled **CONNECT** and **VERSION** with a menu icon on the left.
- USERNAME:** A text field containing **11111**.
- PASSWORD:** A text field containing **12345**.
- Checkboxes:** **Show Password** (checked) and **Remember Me** (unchecked).
- Device Name:** A text field containing **Test**.
- LOGIN Button:** A button with a lock icon and the text **LOGIN**.

6. Bluetooth ADMIN Login:-

6.1 Steps to connect device Using Bluetooth communication

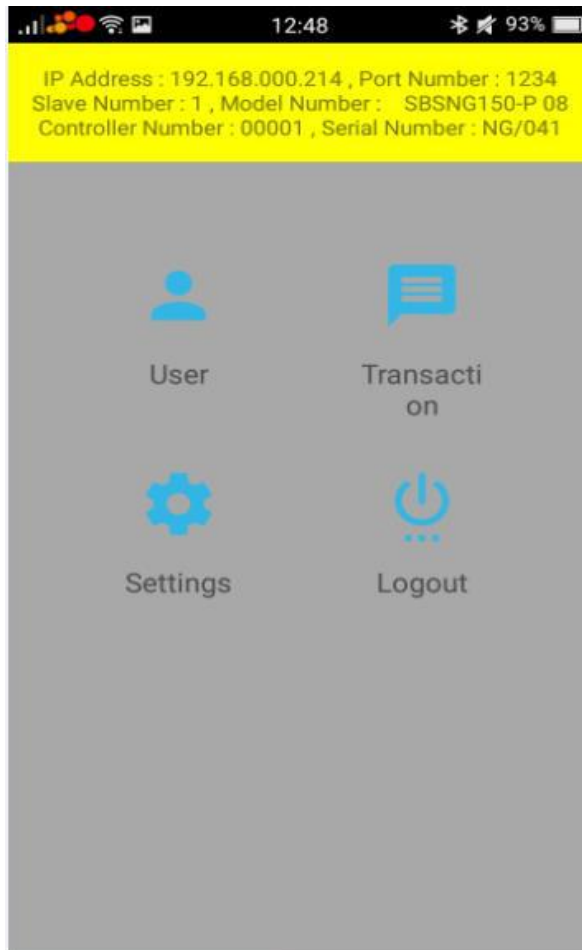
ADMIN need to pair with device and do ADMIN Login in (Default Username: 11111 and Password: 12345.) order to see the Menu's. (ADMIN login is compulsory when we are doing communication with controller.)



7. Menus

After Successful login we get following options

1. User → Add, Delete User
2. Transaction → Transactions
3. Settings → Parameter Settings
4. Logout → Exit Application



After successful login these menu get displayed on screen.

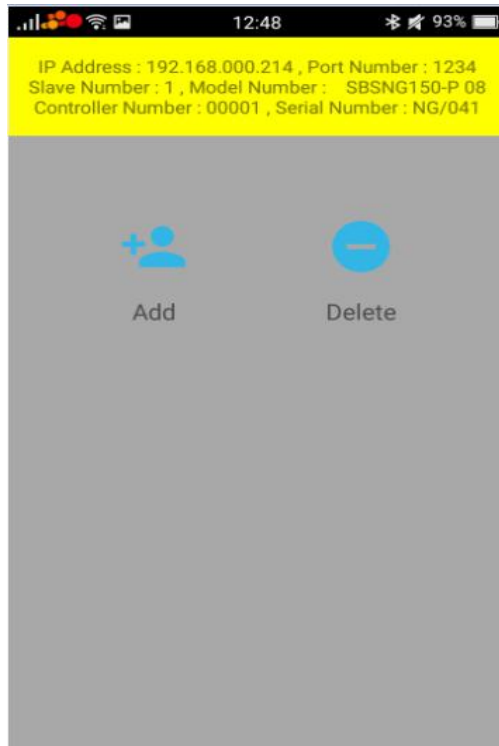
Currently we are allowing user 4 modules as User, Transaction, settings, Logout

7.1 User:-

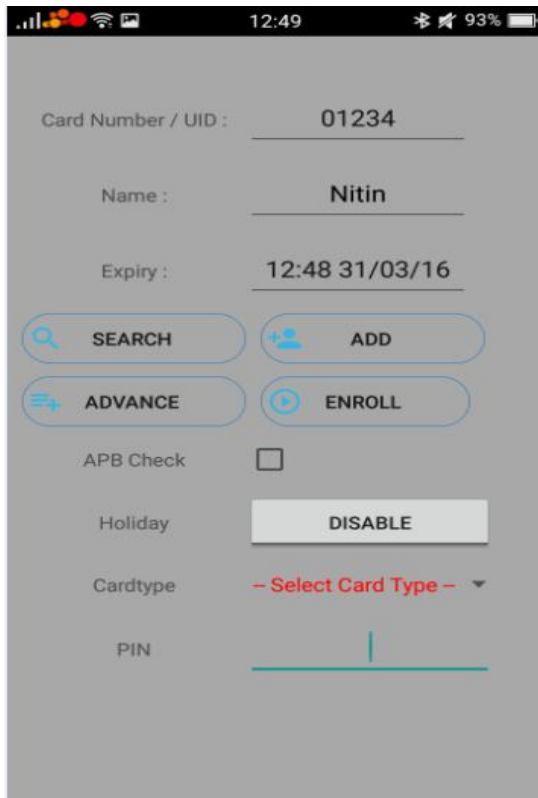
Under User section, we have provided two functionalities.

1. Add user
2. Delete user

Add user to add and Delete user to delete or deactivate the user.



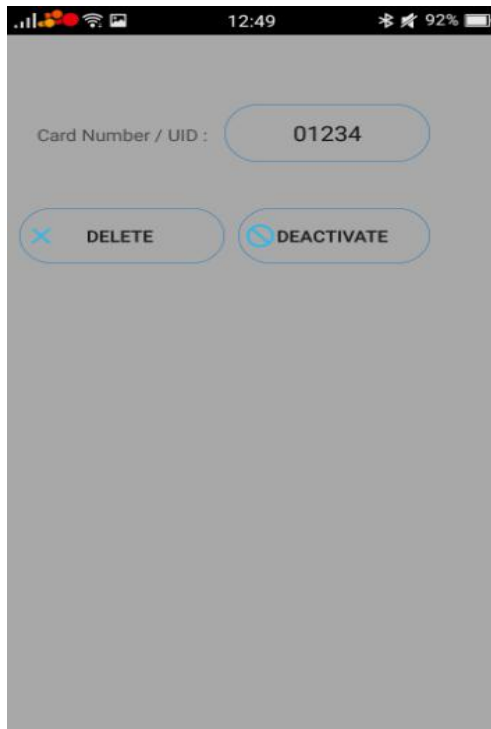
7.1.1 Add User:-



Steps to Add User

1. For Add User, Card Number and Name are mandatory fields.
2. We can also give Expiry date of given card number which is optional.
3. Add button will add and activate this card in controller with default setting. If user wish to change the default setting then user should click on Advance button.
4. Advance button allows user to change Access Level, APB Check, Message ID, Holiday and Card type which is optional.
5. Here we have search button, which allows user to search the user of given card number. If user exist then, as shown above screenshot, it will display user details.
6. Enroll Button will add Fingers for particular user. If user does not exist then it will first add user to the controller and then the controller will ask for finger enrolment.

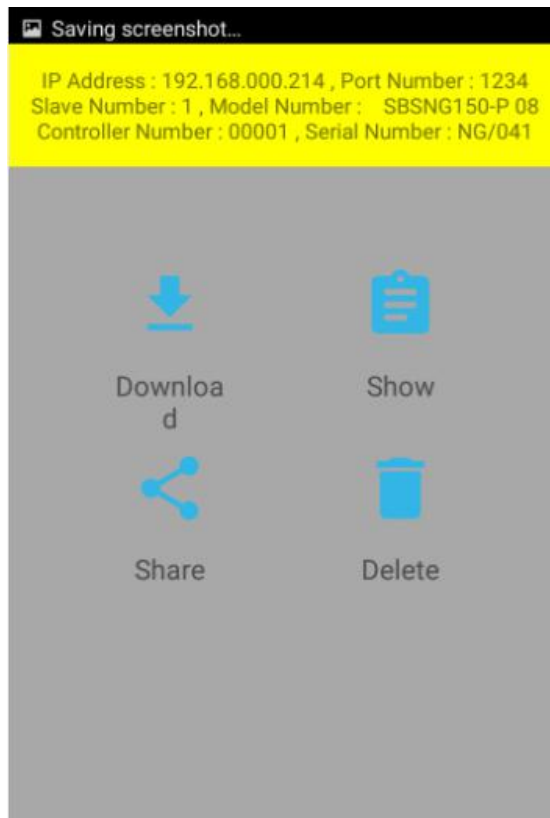
7.2 Delete/Deactivate User



Steps to Delete / Deactivate User

1. For deleting the card, we need to provide the card number.
On click of Deactivate, it will restrict the user access to controller and on click of delete, it will delete the entire data of user from controller.
2. After Delete message is showing user unauthorized
3. After deactivate message is showing user restricted

7.3 Transaction Menu



Transaction Menu

1. Download
2. Show
3. Share
4. Delete

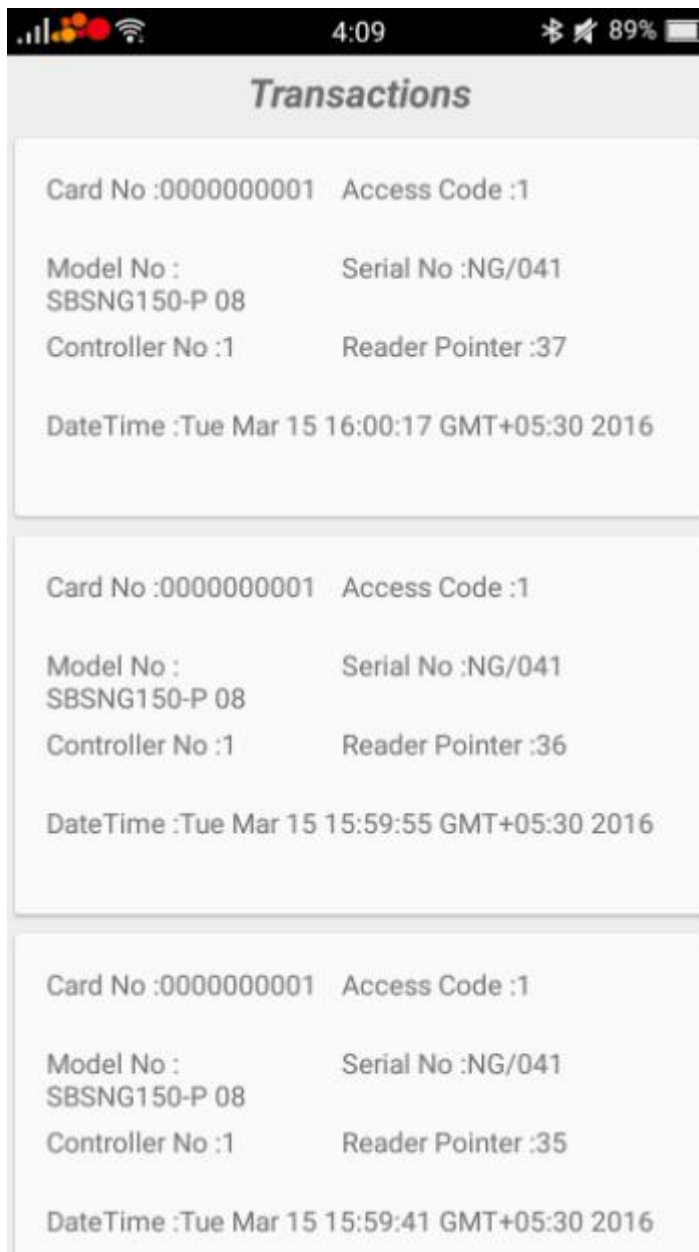
Under Transaction section, we provide functionality to download transactions, show transactions in table format and also to save transactions in database and also in transaction. It also create .txt file which can be shared through email as attachment.

When user starts downloading transactions It will download all the transactions from controller.

7.3.1 Download transactions

Click on Download it will download all transaction present in device.

7.3.2 Show Transactions



Show transaction, it displays the download transactions.

Here,

Card Number – Card number of the employee or User.

Access Code – Access code is nothing but event code.

Model Number – Model number of controller.

Serial Number – Serial number of controller.

Controller Number – Unique number of controller.

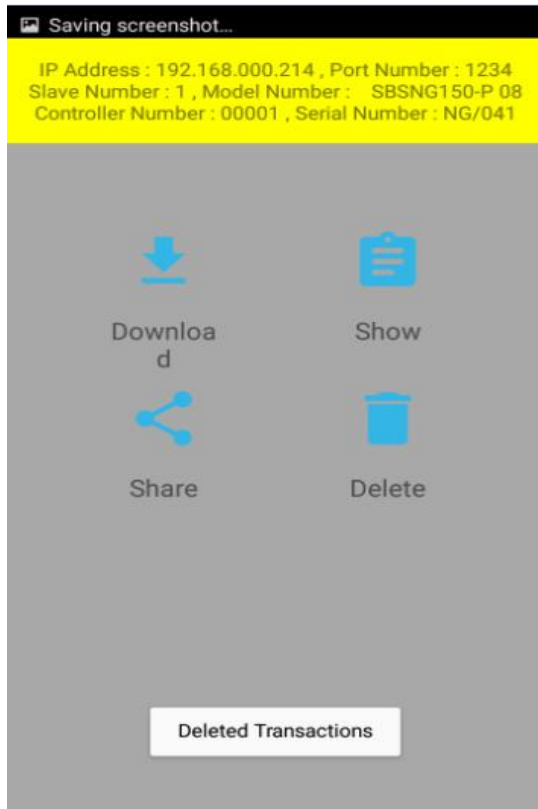
Reader Pointer – To identify the number of transactions downloaded.

Date Time – Received date time of transaction.

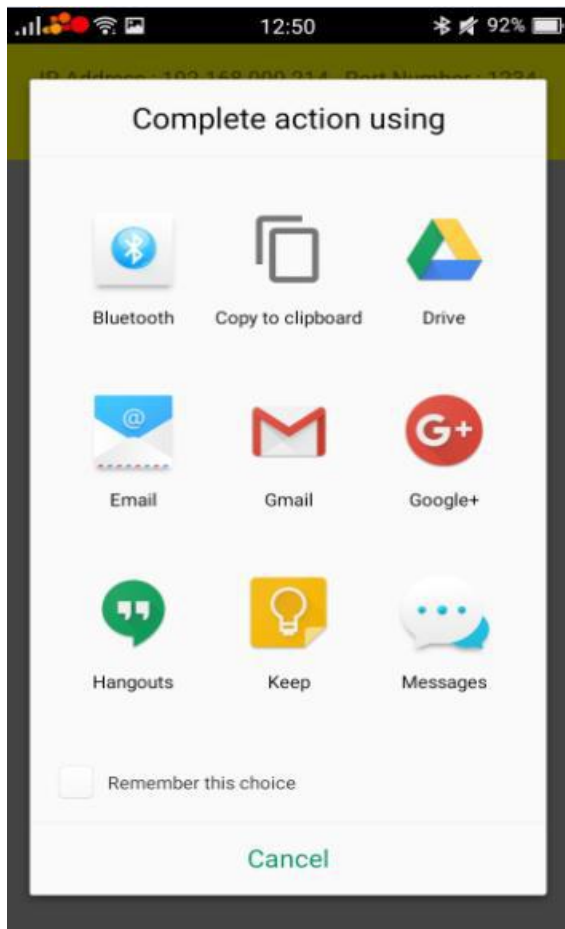
7.3.3 Delete Transactions:-

Delete transaction is used to delete the transaction which is downloaded by ADMIN

It will delete all transactions from mobile's local database. Once deleted the transactions are non-recoverable.



7.3.4 Share Transaction File -



We can share the transaction.txt file using this menu. Filename contains date on which the file is created. And file automatically gets attached while composing the email.

Transaction file after sharing by bluetooth

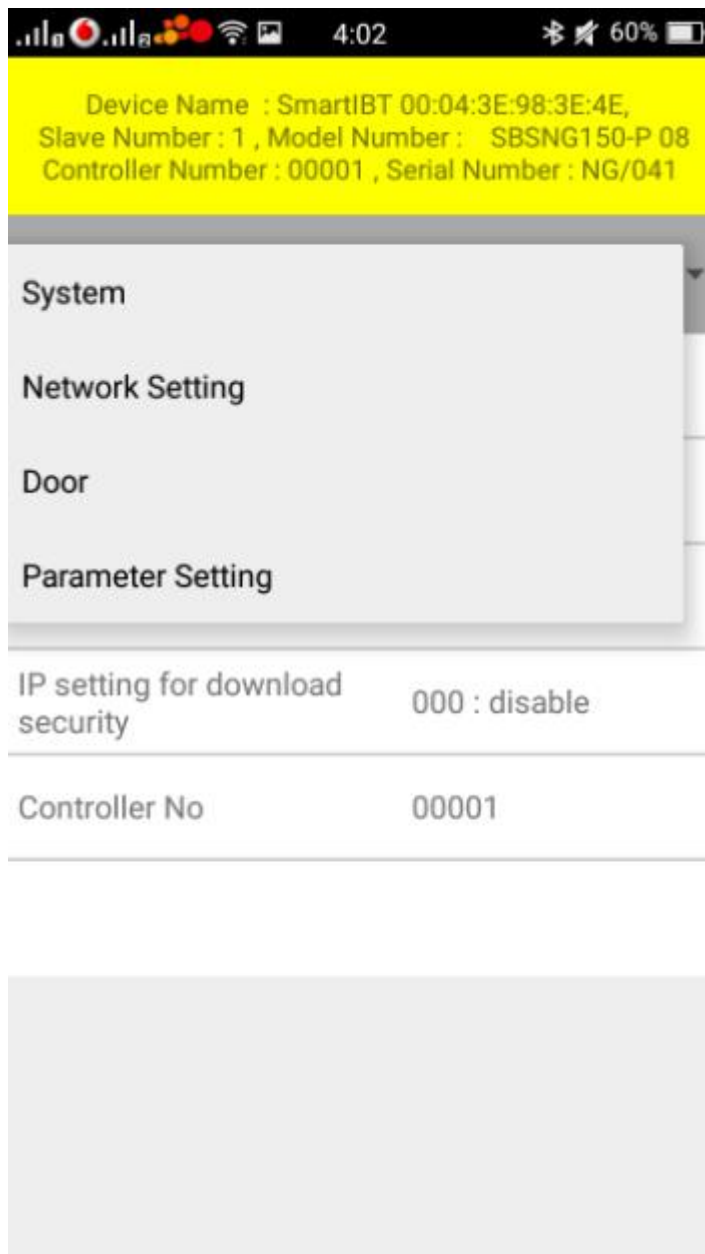
NG-041_17032016.txt

```
16/03/17 15:23:02:1,1,0000000001,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,0,39957
16/03/17 15:23:03:1,1,0000000002,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,1,39956
16/03/17 15:23:03:1,1,0000000003,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,2,39955
16/03/17 15:23:04:1,1,0000000004,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,3,39954
16/03/17 15:23:05:1,1,0000000005,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,4,39953
16/03/17 15:23:05:1,1,0000000006,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,5,39952
16/03/17 15:23:06:1,1,0000000007,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,6,39951
16/03/17 15:23:07:1,1,0000000008,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,7,39950
16/03/17 15:23:07:1,1,0000000009,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,8,39949
16/03/17 15:23:08:1,1,0000000010,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,9,39948
16/03/17 15:23:09:1,1,0000000011,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,10,39947
16/03/17 15:23:10:1,1,0000000012,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,11,39946
16/03/17 15:23:10:1,1,0000000013,1,Wed Mar 16 16:41:51 GMT+05:30 2016,0,0,12,39945
```

8. Settings:-

We are providing almost 60 parameter settings under Settings Menu. There are 4 types of settings in smart ADMIN application.

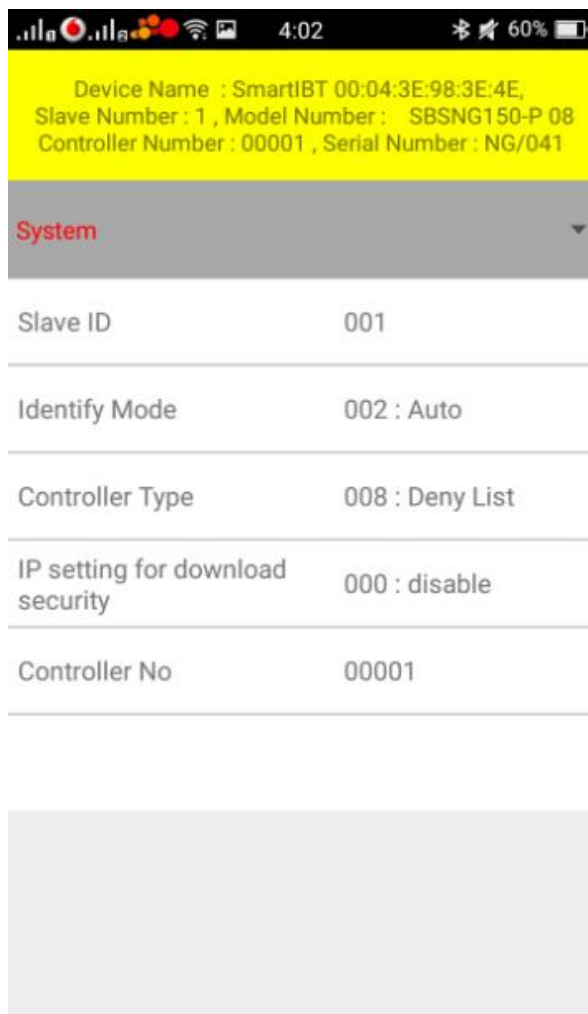
- System
- Network Settings
- Door
- Parameter Setting

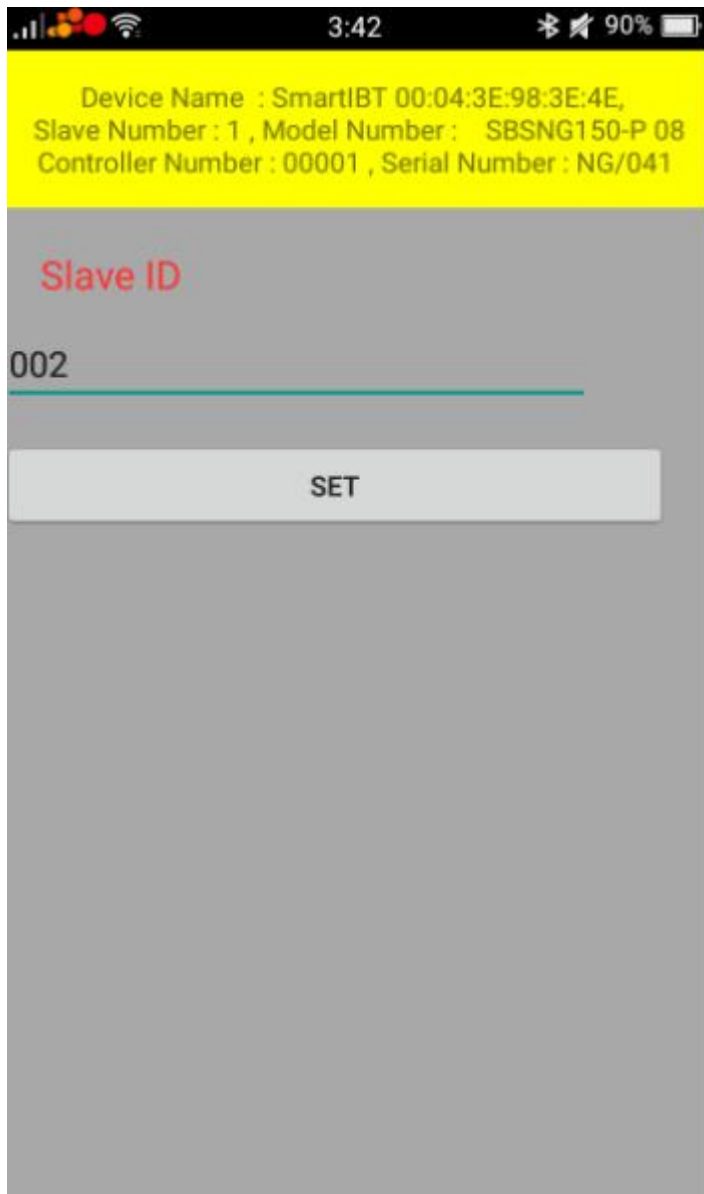


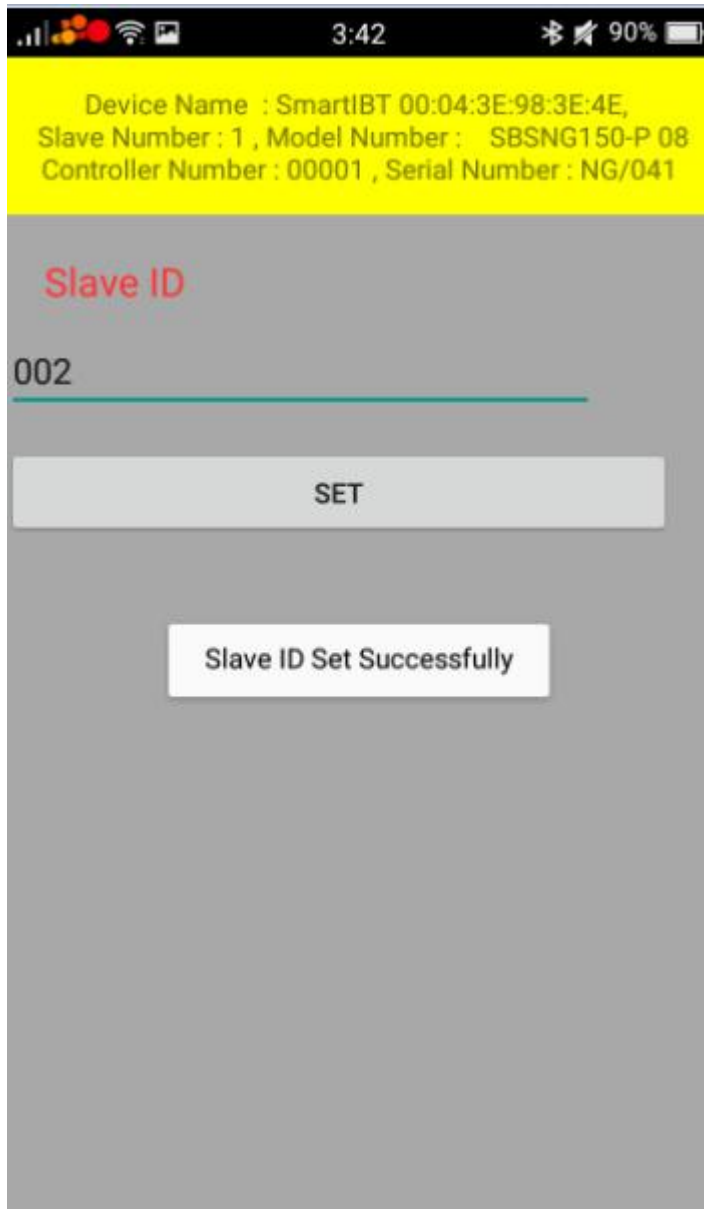
8.1 System setting:-





In system setting ADMIN can change following options of device




- Slave id
- Identify Mode
- Controller Type
- IP setting for download security
- Controller No











3:46



89%


Device Name : SmartIBT 00:04:3E:98:3E:4E,
 Slave Number : 2 , Model Number : SBSNG150-P 08
 Controller Number : 00001 , Serial Number : NG/041 ,
 Version Number : GNB2.4A

System ▼

Slave ID	002
Identify Mode	002 : Auto
Controller Type	008 : Deny List
IP setting for download security	000 : disable
Controller No	00001

8.2 Network Setting:-

In network setting ADMIN can change following settings

- IP Address of Unit
- Subnet mask
- Default Gateway
- Server IP
- Port No
- UDP IP Address



Device Name : SmartIBT 00:04:3E:98:3E:4E,
Slave Number : 2 , Model Number : SBSNG150-P 08
Controller Number : 00001 , Serial Number : NG/041

IP Address of Unit

192.168.000.213

SET

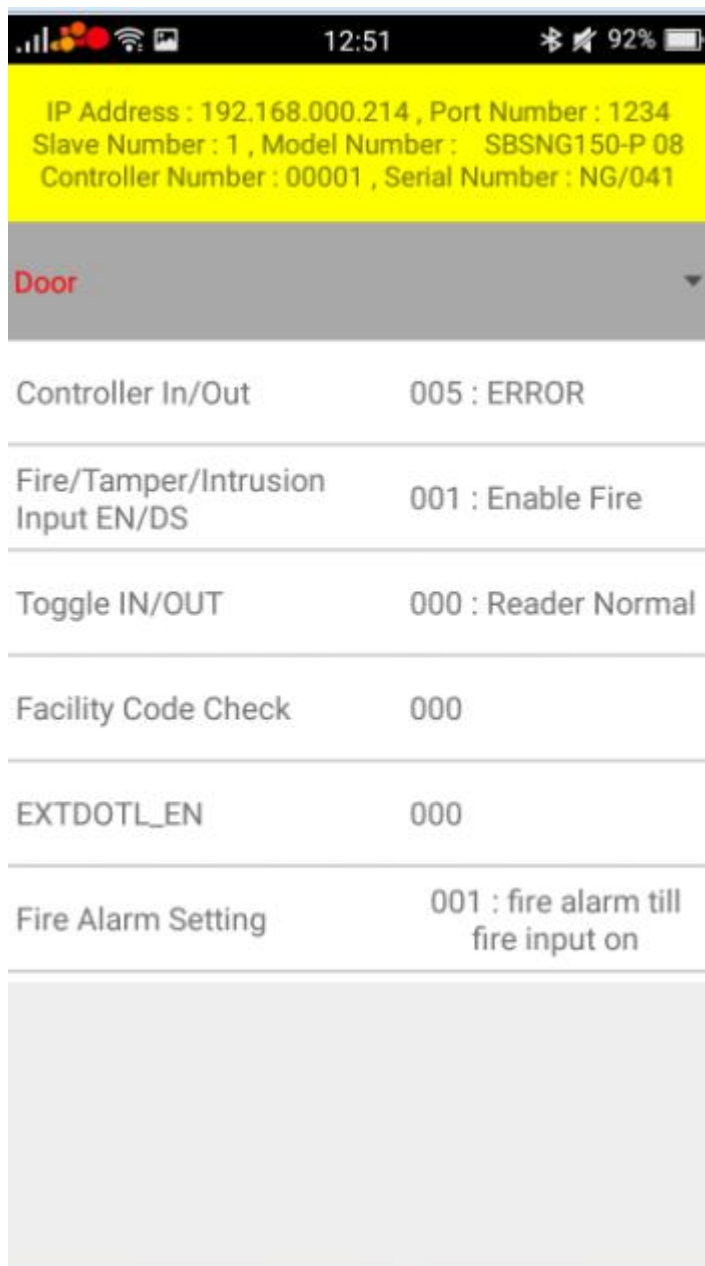


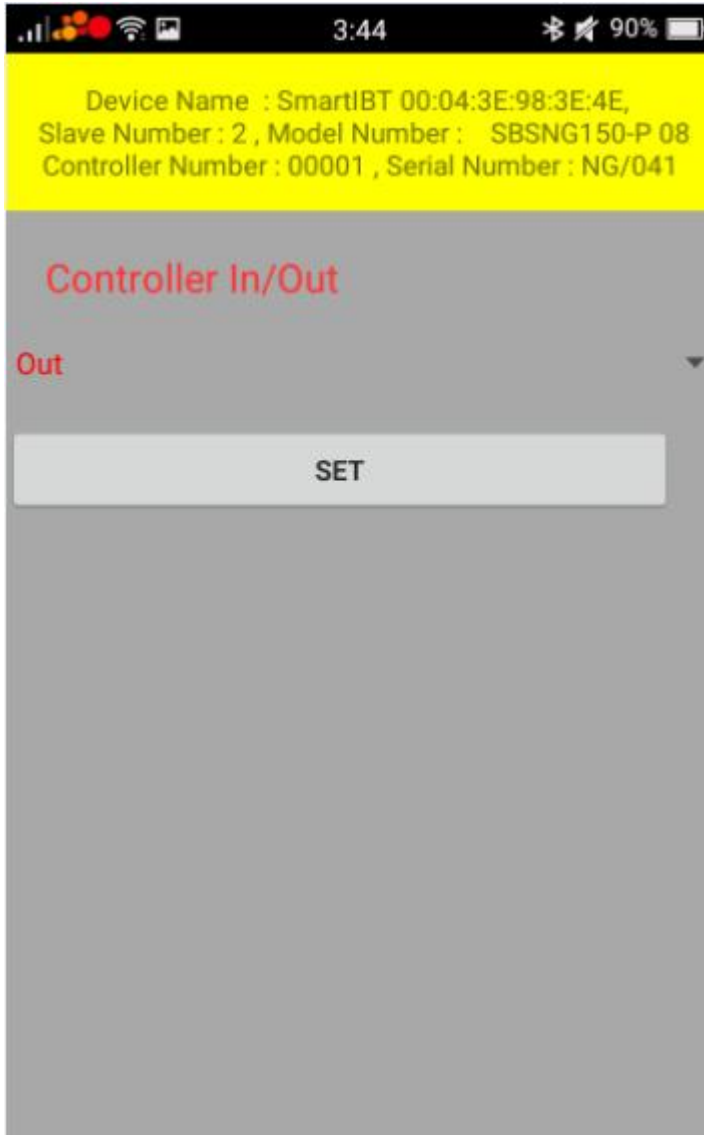
Device Name : SmartIBT 00:04:3E:98:3E:4E, Slave Number : 2 , Model Number : SBSNG150-P 08 Controller Number : 00001 , Serial Number : NG/041 , Version Number : GNB2.4A	
Network Setting	
IP Address of Unit	192.168.000.213
Netmask	255.255.255.000
Default Gateway	192.168.000.002
Server IP	192.168.0.23
Port no	01234
UDP IP Address	192.168.000.003

8.3 Door Setting:-

In door setting ADMIN can change the door setting of device.

- Controller in/out
- fire/tamper/intrusion input EN/DS
- Toggle in/out
- Facility Code Check
- EXTDOTL Enable
- fire alarm settings





Device Name : SmartIBT 00:04:3E:98:3E:4E,
Slave Number : 2 , Model Number : SBSNG150-P
Controller Number : 00001 , Serial Number : NG/04

Controller In/Out

Out

SET

Controller In/OutUpdated In Db

Door	
Controller In/Out	001 : Out
Fire/Tamper/Intrusion Input EN/DS	001 : Enable Fire
Toggle IN/OUT	000 : Reader Normal
Facility Code Check	000
EXTDOTL_EN	000
Fire Alarm Setting	001 : fire alarm till fire input on

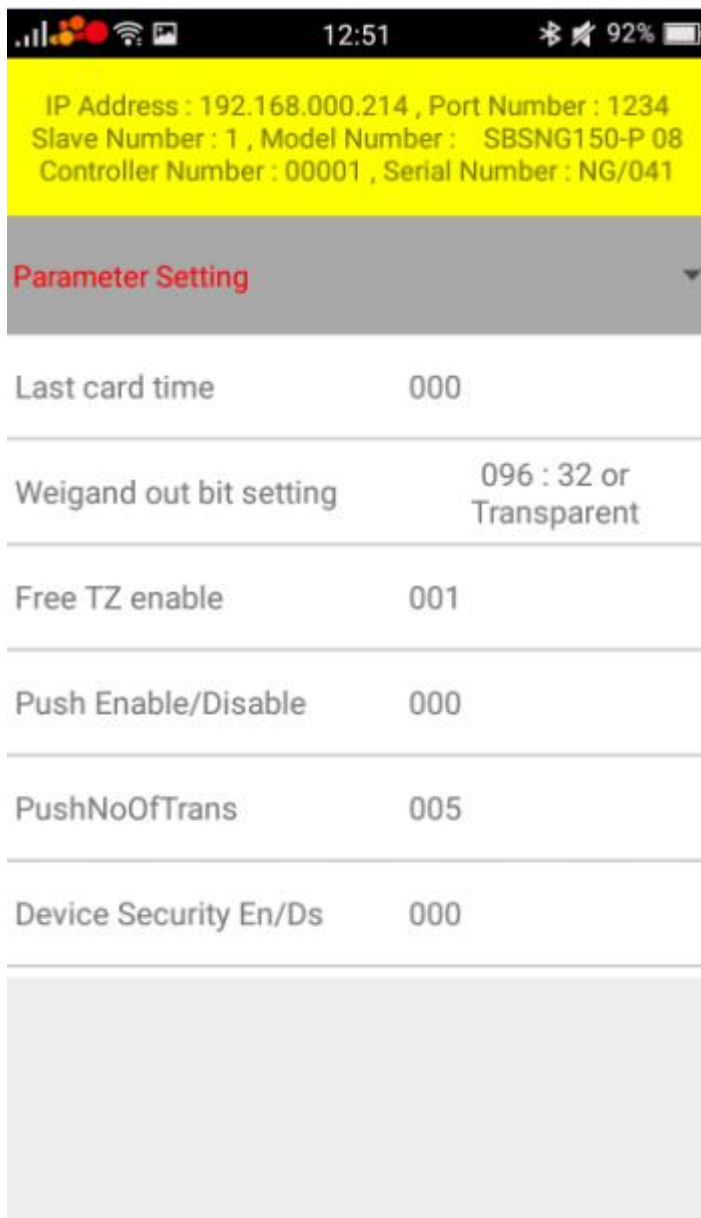
8.4 Parameter Setting:-

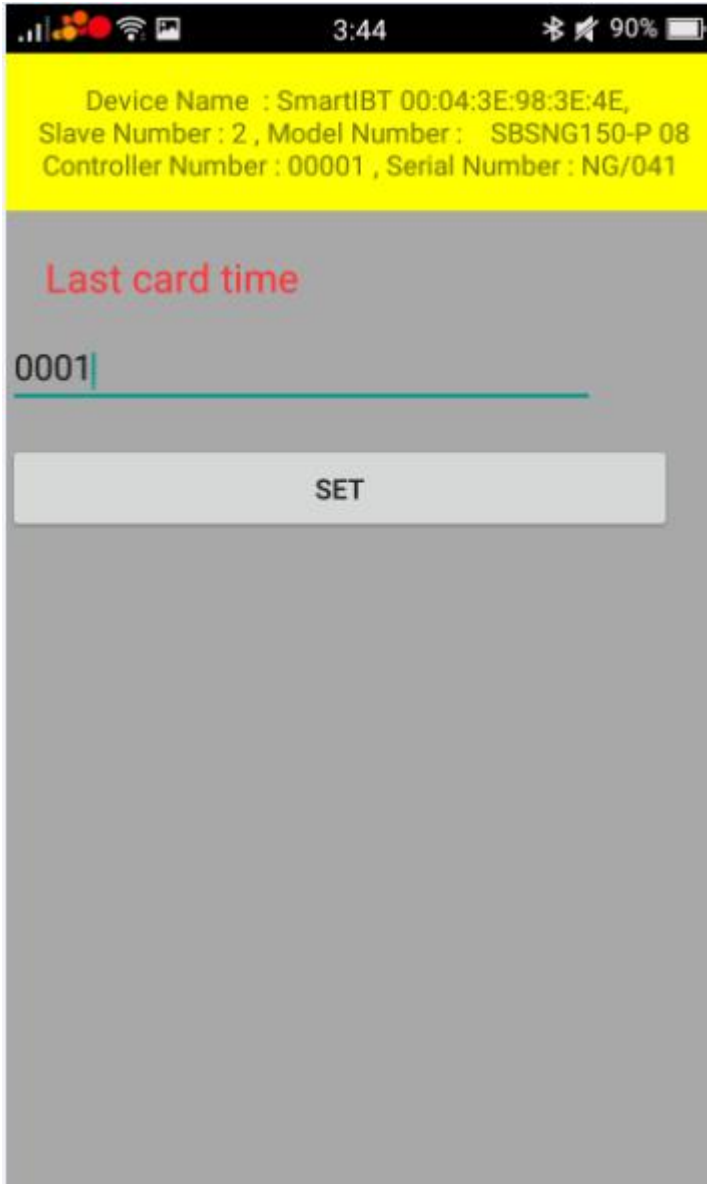
It shows following parameters

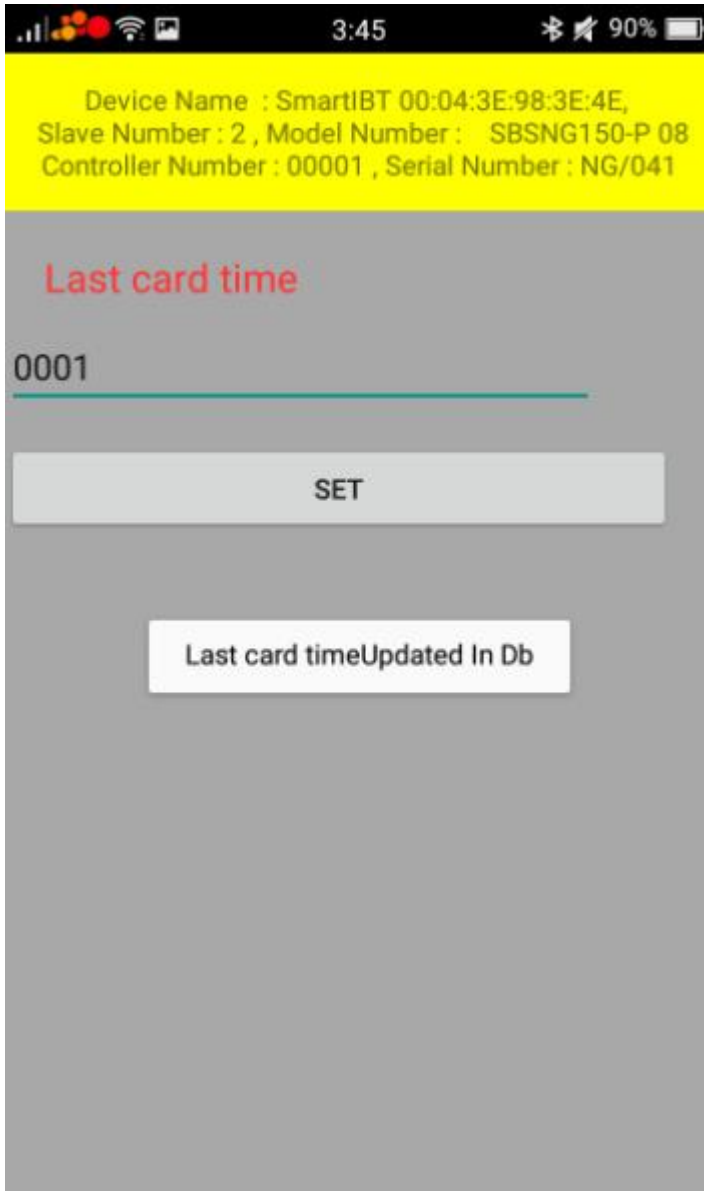
- Last card time
- Weigand out bit setting
- Free TZ enable
- Push Enable/Disable
- PushNoOFTrans
- Device Security En/Ds





Here we need to select the Group name and accordingly the list of parameters of particular group gets displayed.

After selecting particular parameter the selected parameter gets highlighted and get set buttons gets enabled for that particular parameter.











3:46
89%

Device Name : SmartIBT 00:04:3E:98:3E:4E,
 Slave Number : 2 , Model Number : SBSNG150-P 08
 Controller Number : 00001 , Serial Number : NG/041 ,
 Version Number : GNB2.4A

Parameter Setting ▼

Last card time 001

Weigand out bit setting 096 : 32 or
Transparent

Free TZ enable 001

Push Enable/Disable 000

PushNoOfTrans 005

Device Security En/Ds 000