

Infinova[®] 2217 Security Management System Android SmartPhone Client

**For Smartphones, PDAs and other hand-held devices which use
Android 2.2 (or higher) Operating System**

User Guide

July 2013

www.infinova.com

Contents

1. Settings and Installation.....	3
Step 1 - Allow installation of “non-market” applications	3
Step 2 – Copy application installable on Android	4
Step 3 -Install application installable on Android	4
2. Settings to execute SMS Smartphone Client on your Android phone	5
Enable Wi-Fi	5
Keep awake setting	6
3. Login	7
4. Live View	9
5. Full Screen View	10
6. Alarms View	11
7. Settings View.....	12
Create a user with Smartphone Client Privilege	13
Configure Channel groups for “Smartphone Client” privilege.....	15

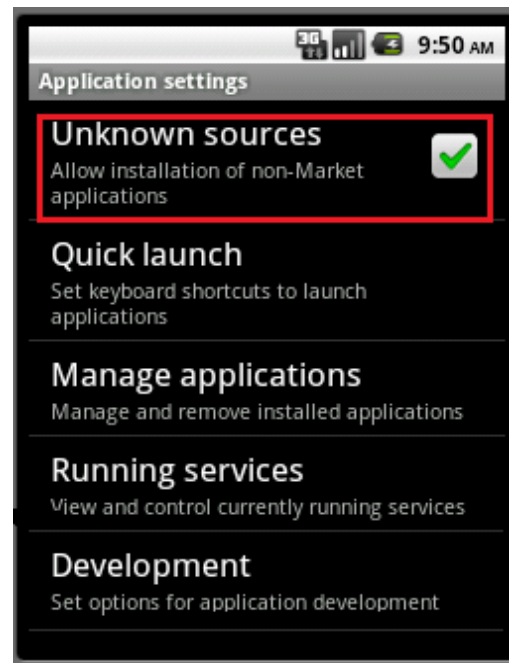
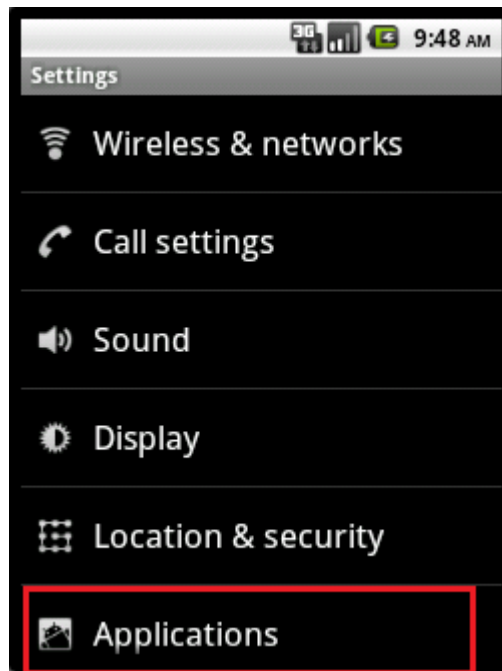
1. Settings and Installation

Note: The steps and screen shots described in this document are for Android 2.2 Operating System. The links and appearance may vary based on Android Operating System version installed on the SmartPhone device.

Step 1 - Allow installation of “non-market” applications

In order to allow installation of SMS Smartphone client, we have to do following setting.

- Click settings
- Select “Applications” in the list
- You will be in “Application Settings” window
- Check “Unknown sources”->Allow installation of non-market applications



Step 2 – Copy application installable on Android

- Transfer the application installable (*.apk file) on Android SmartPhone.
- The file transfer can be done with FTP File transfer. For this we can install a FTP server on android phone .
For example: “[SwiFTP](#)” is a free FTP server available in Android Market
- Click on “Wi-Fi file transfer”, click “start” on the application.
- It will show the IP address assigned.
- Start the FTP client program on your computer and enter the IP address and port number shown in Wi-Fi file transfer. You can use a FTP client like [FileZilla](#)
- Alternatively, you can type ftp://Android_IP_Address:Portnumber in your windows file explorer, access the android phone and do the file transfer.
- Copy the *.apk file from your machine to the required location on Android phone.
(For example : /sdcard)
- For more information on how to start and use Swiftp server on android, you can refer to the set of instructions given on this link
<http://code.google.com/p/swiftp/wiki/UserInstructions>

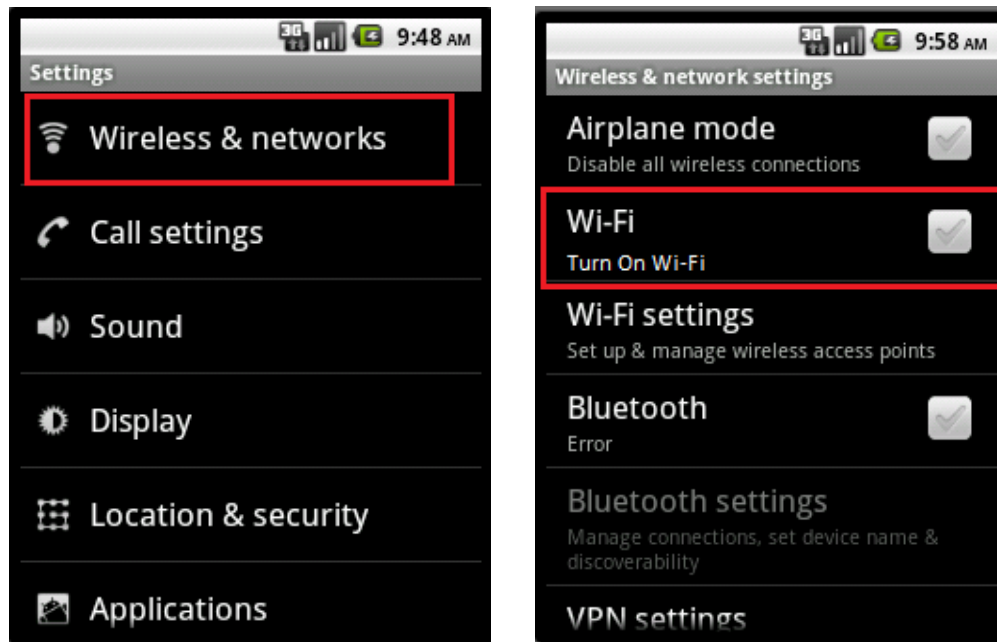
Step 3 -Install application installable on Android

- Access the file system on Android SmartPhone.
- You can go to MyFiles and go to the location where *.apk file is copied
- Click on the installable and click “OK” for install
- The application will get installed on Android your phone
- Then you can click on application icon and start the application.

2. Settings to execute SMS Smartphone Client on your Android phone

Enable Wi-Fi

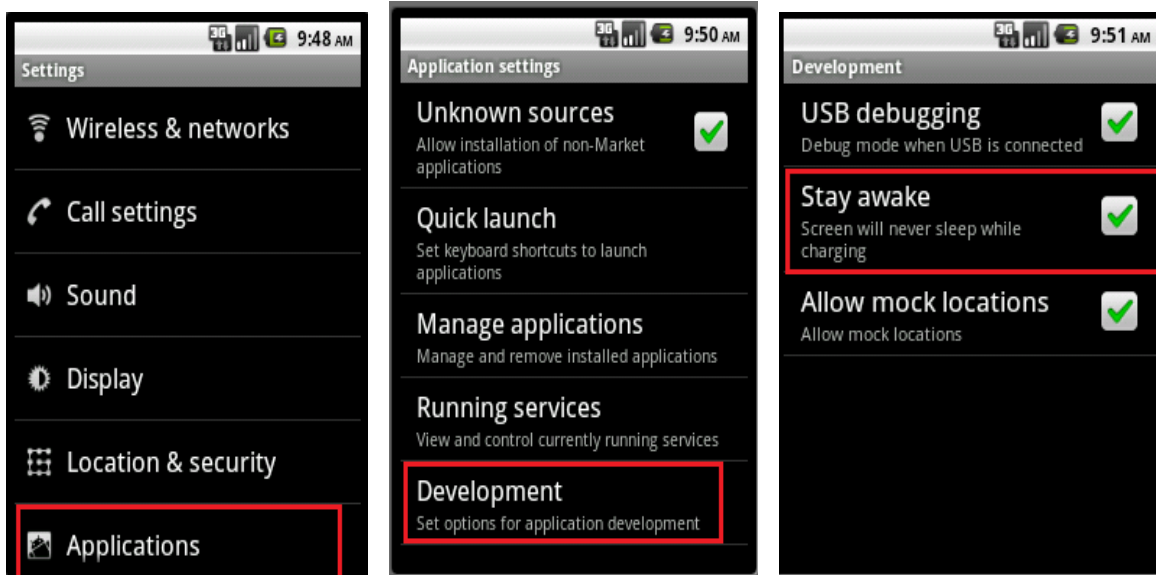
- Go to settings tab, select “Wireless and Networks” and select “Turn ON Wi-Fi”.
- It will detect the available Wi-Fi networks and then you can choose the correct Wi-Fi network



Keep awake setting

By default Android phone sleeps when there is no activity on screen. This also disconnects Wi-Fi and then Smartphone client cannot communicate with the server. Hence if you want to run the application continuously, you will have to do setting for keeping the Smartphone awake.

Check Settings->Application->Development ->Stay Awake. This keeps screen ON while phone is charging.



3. Login

This is the first screen which you will see after running the SmartPhone client.

Please type the IP address used by the server software. Please refer to the 'Security Management System Server – User Guide' document, 'Quick Start' section for details on how to locate the IP address used by the server software.

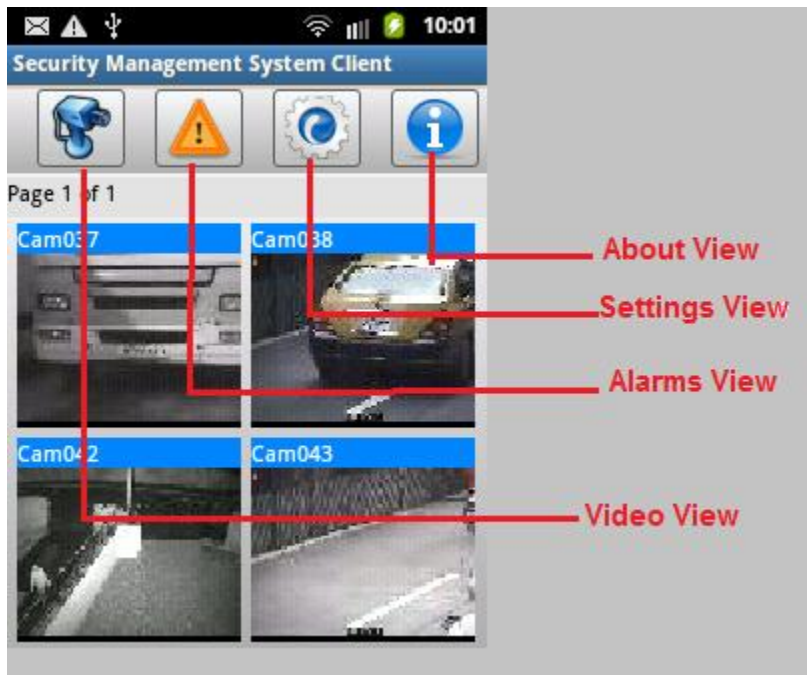
Important - Only users with 'Smartphone Client' privilege can login from the SmartPhone client applications. Please refer to the section 'Configuring Smartphone Client User in Security Management System server', available in this document, for steps to add and configure a user with 'Smartphone Client' privilege in the Security Management Server.

Type the valid 'User name' and 'Password'. This should match with the user configured in the server software, and the user should have the 'Smartphone Client' privileges. Please refer to the 'Security Management System Server – User Guide' document, 'Quick Start' section for details on how to configure new 'Smartphone Client' privilege user.

'Remember Login' checkbox remembers the username and password for the subsequent sessions.

The screenshot shows the 'Security Management System Client' login interface. At the top, there is a status bar with icons for mail, warning, USB, Wi-Fi, signal strength, and battery, along with the time '09:58'. Below the title bar, there are three input fields: 'IP Address' containing '192.168.0.61', 'User Name' containing 'test', and 'Password' containing six dots. Below these fields are two checkboxes: 'Remember Login' (checked) and 'Port Forwarding Enabled At Server' (checked). At the bottom, there are two buttons: 'Login' and 'Cancel'. The version number 'Version : 13.07.04.01' is displayed at the very bottom.

After login, the main application window is displayed which has live video view, alarms view and settings view.



4. Live View

This view displays video streams for all video channels in video groups which have “Smartphone Client” privilege. For more information on how to create camera groups and grant privilege, refer to ‘Section: Create Smartphone Client User’ in this document.



User can navigate through video pages by flipping pages with page swipe gestures.

5. Full Screen View

User can tap on one of the videos on live view to see it on full screen. This helps user in viewing video in more detail. User can navigate through video pages by swiping pages with page swipe gestures.



If camera PTZ is enabled in VMS Server, then PTZ buttons are displayed in 1X1 view as shown. User can press the button to pan / tilt/ zoom the camera.

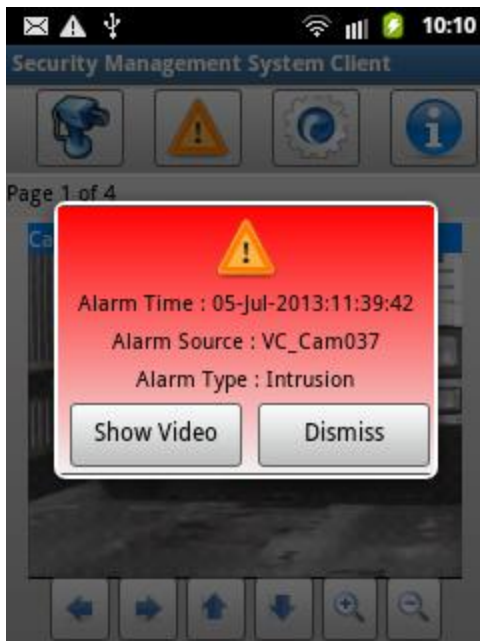


6. Alarms View

Alarms view shows the list of all the alarms that have happened at the server side.



When a new alarm is received, the application shows an alert to user.

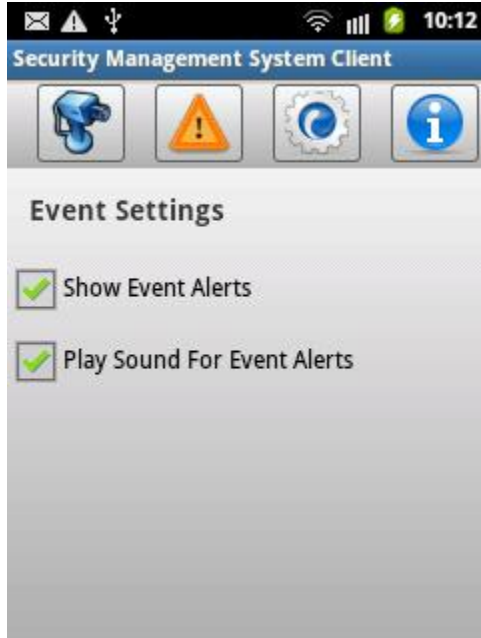


Clicking "Show Video" shows live view for source of alarm

Clicking "Dismiss" closes event alert window.

7. Settings View

Following Events Settings can be done from settings view.



If "Show Event Alerts" is checked, then event alert window is shown when a new alarm is received



If "Play sound for event alerts" is selected then alert sound is played when a new alarm is received

8. Configuring Smartphone Client User in Security Management System server

Create a user with Smartphone Client Privilege

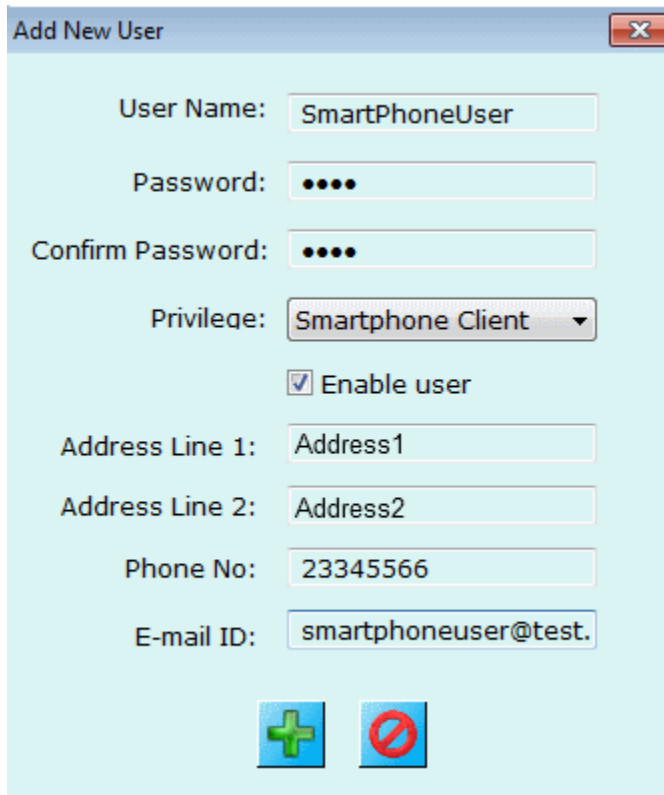
- On Security Management System server, go to “Users” section under users and privileges

Site_5.4.13.44

Users and Privileges -> Users

Sr No.	User Name	Privilege	Enabled	Type
1	admin	Administrator	Enabled	In Built
2	op	testPrev	Enabled	Configured

- Click Add new User



Add New User

User Name: SmartPhoneUser

Password: ●●●●

Confirm Password: ●●●●

Privilege: Smartphone Client



Enable user

Address Line 1: Address1

Address Line 2: Address2

Phone No: 23345566

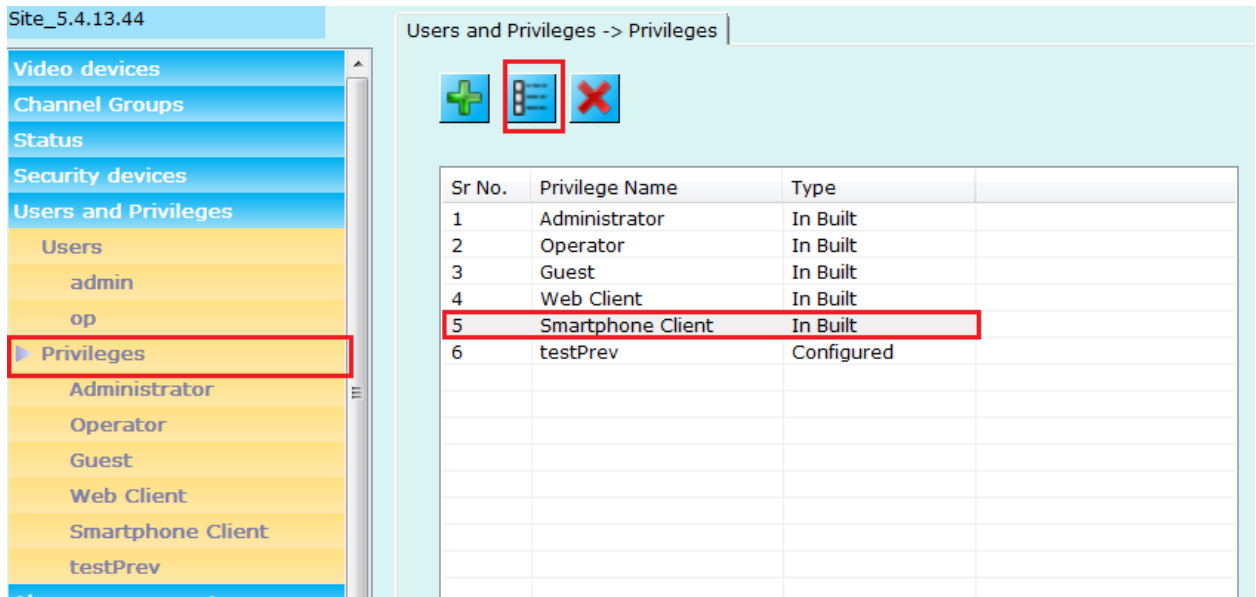
E-mail ID: smartphoneuser@test.

- Fill in the required information and select the privilege as “Smartphone Client”
- Click OK

Configure Channel groups for “Smartphone Client” privilege

- Click on “Privilege” under users and privileges section



Site_5.4.13.44

Users and Privileges -> Privileges

Sr No.	Privilege Name	Type
1	Administrator	In Built
2	Operator	In Built
3	Guest	In Built
4	Web Client	In Built
5	Smartphone Client	In Built
6	testPrev	Configured

- Select and edit “Smartphone Client” privilege
- Add required channel groups for this type of privilege

Users and Privileges -> Privileges -> Smartphone Client

Privilege Name:

Privilege Type: In Built

Functions:

<input type="checkbox"/> Playback view	<input type="checkbox"/> Add sequence
<input type="checkbox"/> Alarm search	<input type="checkbox"/> Remove sequence
<input checked="" type="checkbox"/> Alarm view	<input type="checkbox"/> Edit sequence
<input type="checkbox"/> Change self password	<input type="checkbox"/> Playback controls
<input type="checkbox"/> Add video channel	<input type="checkbox"/> Export video
<input type="checkbox"/> Remove video channel	<input type="checkbox"/> Network settings
<input type="checkbox"/> User management	
<input type="checkbox"/> Autostart settings	
<input type="checkbox"/> Recording settings	

Settings can not be changed for the in-built privileges

Channel groups allowed:

Channel Group
CG_Group3

Channel groups not allowed:

Channel Group
CG_AllChannels
CG_Group2
CG_Group004