

SECURE

Wireless Home Security System

Silvan Innovation Labs

Installation Manual

Version 2.0

Foreword

Congratulations on your purchase of SECURE. This is a wireless security system that lets you monitor the safety and security of your home from anywhere in the world. Please read this manual carefully before installing SECURE.

Package Contents

No	Name	Description	Qty
1.	SECURE	This is the hub of Silvan's home security system.	1
2.	Wireless Door Intrusion sensors	Each sensor is fitted on a door and frame that needs to be protected. This detects when the door is opened or closed and informs SECURE.	2 sets
3.	Keyfob	This is a handheld device that the home owner can use to arm or disarm SECURE.	1
4.	Power Cord	This is to connect SECURE to an AC power source.	1
5.	Accessories	These include the following: 1. Battery for SECURE : 1 no 2. Screw set to fix SECURE to the wall: 2 nos 3. Jumper (or shortlink)	1 set

Introduction

SECURE is a wireless home security system. It helps to protect your home against unwanted intrusion, and also against any safety issues such as gas leakage, smoke etc.

SECURE consists of the following essential parts:

- The SECURE box. This is the hub of the system
- Wireless sensors. These detect different events such as a door opening, movement in a part of the home, breakage of a window glass pane, leakage of LPG gas or smoke in a part of your home. These events are communicated to the SECURE hub.
- An Internet connection. The SECURE hub accesses the Internet by connecting over Wi-Fi to your home router.
- An “app” called SECURE which you need to download from the Android or Apple store and install on your smart phone. Upto 5 other members of your home can also install this app on their phones.

Optionally, you may also buy IP cameras from approved 3rd party vendors and install them in your home. Then, using the app, you can “link” the cameras to appropriate sensors.

When any of the installed sensors detect an event, all the members of your home who have installed the app will be notified on their phones. Anyone member can then take corrective actions. In case you have installed and “linked” cameras, you would also be able to view the video feed from the cameras on your app.

Being a wireless system, SECURE is easy to install since no new wiring is needed, except to connect SECURE to an AC power socket.

Specifications

SENSOR CONNECTION

1. Frequency: 433.92 MHz
2. Number of sensors: 32
3. Antenna: Internal

CONNECTION TO ROUTER

1. Frequency: 2.4 Ghz
2. Standard: IEEE 802.11b/g/n
3. Antenna: Internal

USER INTERFACE

1. Platforms: Android, iOS

OTHERS

1. Siren: Inbuilt, 85 dBi
2. No. of users: 5 (+ Admin)

POWER

1. Supply: 230V AC, 50 Hz
2. Consumption : 3 Watts
3. Backup : Internal battery
4. Backup Period : 3-4 hours

DIMENSIONS

1. Size (in mm): 110 x 110 x 44
2. Weight : 300 gms

Safety Precautions

1. DO NOT USE A BATTERY OTHER THAN THE ONE PROVIDED BY SILVAN. USING A WRONG BATTERY CAN BE DANGEROUS.
2. Always use the power cable provided with the package to connect SECURE to AC power.
3. Position the cable so that accidents cannot occur. Connected cables must not be subject to excessive mechanical strain.
4. Do not connect SECURE to power outlets on the same circuit as large appliances.
5. Do not expose SECURE to direct sunlight, excessive heat, moisture, vapours, chemicals or dust.
6. Do not install SECURE near water (e.g bath tub, sinks and other moist areas).
7. Avoid setting up SECURE near heaters, air conditioners, ventilators and/or refrigerators.
8. Always mount the SECURE vertically on the wall using the provided wall screw set.

End-User License Agreement (EULA)

PLEASE READ CAREFULLY: Silvan Innovation Labs software downloaded and installed with or without SECURE is copyrighted and is made available under the following license terms:

This End-User License Agreement ("EULA") is a legal agreement between (a) You (either an individual, company or entity which has acquired the SECURE wireless security system) and (b) Silvan Innovation Labs Private Ltd ("SIL"), the manufacturer of SECURE, the wireless security system, the developer of the downloaded application software that runs on the Android and iOS operating systems ("SOFTWARE") and the developer of its associated cloud software ("IPSM").

Other software provided along with the SOFTWARE and the IPSM that is associated with a separate EULA is licensed to You under the terms of that EULA.

By downloading, installing, copying, storing or otherwise using the SOFTWARE, You agree unconditionally to be bound by the terms of this EULA. If You do not agree to the terms of this EULA, SIL is unwilling to license the SOFTWARE or the IPSM to You, and You have no right to use it.

SOFTWARE PRODUCT LICENSE

The SOFTWARE and the IPSM s protected by copyright laws and international copyright laws, as well as other intellectual property laws and treaties. The SOFTWARE and the IPSM are licensed to You, not sold.

1. GRANT OF LICENSE.

SIL grants you the following non-exclusive rights provided you agree to and comply with all terms and conditions of this EULA:

- a) **Use:** You may use the SOFTWARE and the IPSM only as integrated with SECURE. You may load the SOFTWARE into the temporary memory (RAM) of Your handset devices for the purpose of using the SIL Product.
- b) **Network use:** You may use the SOFTWARE on a maximum of 5 (five) other handset devices, which may be any combination of devices running the Android and iOS operating systems.
- c) **Storage:** You may make backup copies of the SOFTWARE, but you may have only one copy installed on a handset device at any time. You may use the backup copy solely for archival purposes. You may not otherwise make copies of the SOFTWARE, included the printed material accompanying the SOFTWARE.

2. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

- a) **Limitations on Reverse Engineering, Decompilation and Disassembly:** You may not reverse engineer, decompile or disassemble the SOFTWARE or the IPSM, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. You may not make any changes or modifications to the SOFTWARE or the IPSM, without the written permission of an officer of SIL. You may not remove any proprietary notices from the SOFTWARE or the IPSM.
- b) **Separation of Components:** You may not separate the component parts of the SOFTWARE or the IPSM for any purpose.
- c) **Single Integrated Product:** The SOFTWARE and the IPSM is licensed for use only with the SECURE hardware unit as a single integrated product. You may use the SOFTWARE and the IPSM only as set forth in this EULA.
- d) **Rental:** You may not lease, lend or rent the SOFTWARE and the IPSM, or make it available to others by the use of any electronic means such as hosting on a server or website.

- e) **Transfer:** You may transfer all your rights under this EULA only as part of a permanent sale of SECURE, provided that You do not retain any copies of the SOFTWARE.
- f) **Termination:** SIL reserves the rights to terminate this EULA if You fail to comply with the terms and conditions set forth in this agreement.
- g) **Trademarks:** This EULA does not grant you any rights in connection with the trademarks of SIL and its suppliers.

3. PROPRIETARY RIGHTS.

All intellectual property rights in the SOFTWARE, the IPISM and user documentation (including but not limited to any images, photographs and text) are owned by SIL or its suppliers and are protected by law, including but not limited to Indian copyright, trade secret, and trademark law, as well as other applicable laws and international treaty provisions. The structure, organization and code of the SOFTWARE and the IPISM are the valuable trade secrets and confidential information of SIL and its suppliers. All intellectual property rights in and to the content which may be accessed through the use of the SOFTWARE and the IPISM are the property of the respective content owners. This EULA does not grant you any rights to use such content.

4. CONSENT TO USE OF DATA.

You agree that SIL and its affiliates or suppliers may collect information from You when You install the SOFTWARE, in order to provide support services related to the SOFTWARE and the IPISM. SIL and its suppliers agree not to use this information in a form that personally identifies you except to the extent necessary to provide such services.

5. LIMITED WARRANTY.

You acknowledge that You would use SECURE, the SOFTWARE and the IPISM only as a wireless security system to secure Your residence.

- a) **No Warranty:** The SOFTWARE and the IPISM are offered to You on an "AS-IS" basis and SIL does NOT warrant that the functions contained in them will meet your requirements or that their operation will be uninterrupted or error free.
- b) **Changes in operating environment:** SIL shall not be responsible for any problems caused due to changes in the operating characteristics of SECURE, or for problems in the interactions of the SOFTWARE or the IPISM with non-SIL hardware or software products.
- c) **Disclaimer of warranties:** This warranty contains the entire warranty of SECURE, the SOFTWARE and the IPISM, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) and all other obligations or liabilities on the part of SIL. No oral or written information or advice given by SIL or a SIL authorized representative shall create a warranty.
- d) **Changes in Internet connection:** You acknowledge that the operation of SECURE is dependent on connectivity to the Internet, and that You would take adequate steps to provide the same for the consistent and continuous operation of SECURE. SIL shall not be responsible for any loss of operation of SECURE due to lack of or faulty connections to the Internet, either at Your place of installation of SECURE, or at the installation of its Cloud software (IPISM).

e) **Limitation of Liability.** Notwithstanding any damages that you might incur, the entire liability of SIL and any of its suppliers under any provision of this EULA and your exclusive remedy for all of the foregoing shall be limited to INR100.00.

f) **Exclusive Remedy and Limitation of Warranty:** To the maximum extent permitted by applicable law, in no event shall SIL or its suppliers be liable for any special, incidental, indirect, or consequential damages whatsoever based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory. Such damages include, but not limited to, loss of profits, loss of SECURE or the SOFTWARE, cost of capital, cost of substitute or replacement equipment, facilities of services, down time, purchaser's time, the claim of third parties, including customers, personal injury and injury to property.

6. COMPLIANCE WITH EXPORT LAWS.

You shall comply with all laws and regulations of the Republic of India and other countries ("Export Laws") to ensure that SECURE is not (1) exported, directly or indirectly, in violation of Export Laws, or (2) used for any purpose prohibited by Export Laws.

7. APPLICABLE LAW.

This EULA is governed by the laws of the Republic of India.

8. ARBITRATION.

All disputes arising in connection with this EULA shall be determined by final and binding arbitration in accordance with the Arbitration Act, and the parties agree to be bound by the arbitrator's decision. The place of arbitration shall be Bangalore, India and the language of arbitration shall be English.

9. ENTIRE AGREEMENT.

This EULA (including any addendum or amendment to this EULA which is included with the SIL Product) is the entire agreement between you and SIL relating to SECURE, the SOFTWARE and the IPSM and it supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the SOFTWARE and the IPSM, or any other subject matter covered by this EULA.

Index

No.	Chapter	Page
I.	Installing SECURE	9
II.	Connecting SECURE with the router	12
III.	Testing the range of the sensors	14
IV.	Configuring SECURE	16
V.	Adding sensors	19
VI.	Linking cameras with sensors	23
VII.	Adding users	27
VIII.	Adding profiles	29
IX.	The dashboard	32
X.	Viewing the activity logs	36
XI.	Drill Template	39

Drill fixing holes.

I. Installing SECURE



- A. Identify a suitable place on the wall with an AC supply point nearby. This location must have good Wi-Fi coverage from your home router.
- B. Drill two holes on the wall using the drill template provided in the end of this manual.
- C. Fix the wall plugs and the screws.

Open the top cover.



Remove the top cover of SECURE carefully .

Insert battery & jumper.



1. Insert battery in the slot with the correct orientation.
2. Insert a jumper at position JP2. This position is circled in the above photo.
3. Close the cover.

Attach power cord.



Insert the power cord through the appropriate groove on the bottom side of SECURE. Open the screw on each terminal fully and insert :

1. RED wire to the terminal "L".
2. BLACK wire to the terminal "N".
3. GREEN wire to the terminal "E".

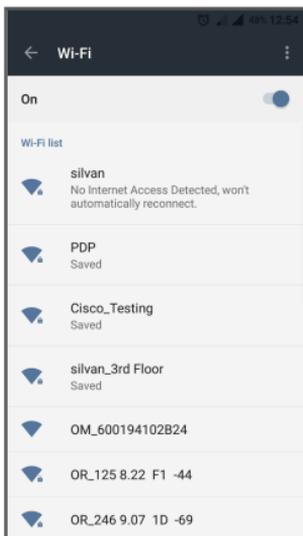
Tighten the terminals adequately so that the wires are firmly held.

Fix SECURE.



1. Fix SECURE on the wall and power it up.
2. Let the battery charge for at least 30 minutes.
3. Press the Reset button (circled in RED above) using a pin. This starts the process to connect SECURE with your home router.

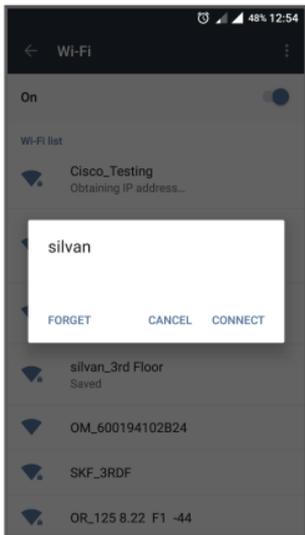
Setup the Wi-Fi.



II. Connecting SECURE with the router

1. Turn off the data access via 3G/4G on your smart phone.
2. Go to the Wi-Fi management screen of your phone.

Enter your credentials.



Connect to the Wi-Fi network named as "**silvan**". The password is the MAC ID of SECURE in lower case. Example: a3:b6:b8:c7:fa:5e.

The MAC ID is printed at the back of the SECURE box and on the package.

Web config page.

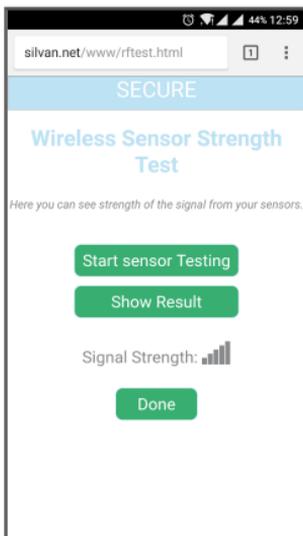


Run the browser on your phone with the URL 'silvan.net'. The web configuration page is displayed. Select the network name and type of security, enter the password and touch the "Add" button.

For RF range testing of the sensors, touch the "RF Test" button.

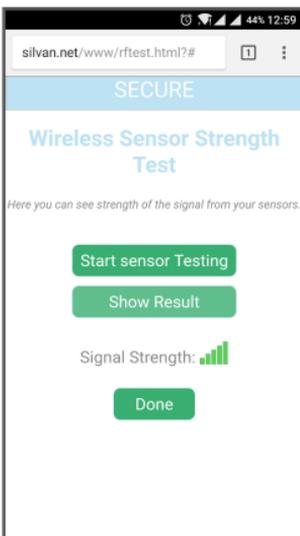
Position the sensors.

III. Testing the range of the sensors



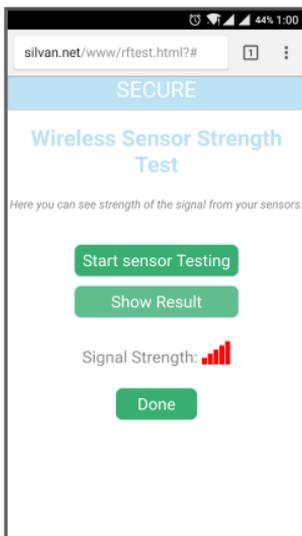
1. On touching the "RF Test" button in the Web Config page, the Wireless Sensor Strength Test page will be shown.
2. Fix the sensors to be tested at the locations they would be finally installed.
3. Keep the mobile within 5 metres of SECURE during this test.

Test the sensor.



1. Touch the "Start sensor Testing" button.
2. Trigger the sensor a couple of times within 5 seconds of step 1.
3. Touch the "Show Result" button after this time.
4. You will see the strength of the sensor signal shown in bars from 1 to 5 (5 indicating maximum strength).

Complete the tests.

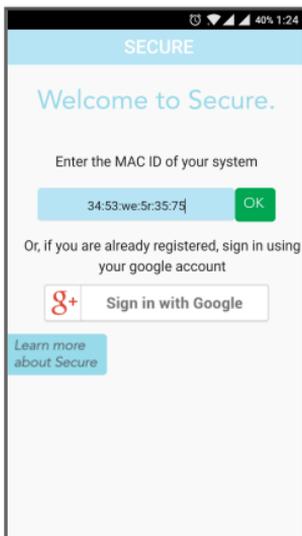


1. Repeat the test for all the other sensors.
2. If no signal is received, the signal strength will be shown in red.
3. Touch the "Done" button to return to the Web config screen.

Enter the MAC ID.

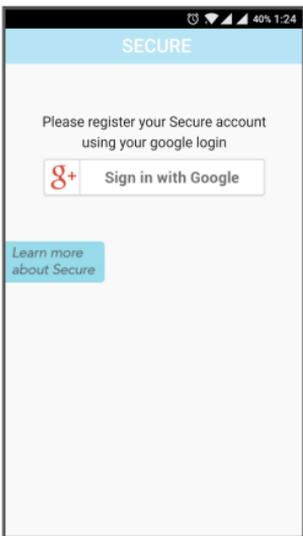
IV. Configuring SECURE

1. In the Google Play Store or IOS app store, search for the "Silvan Secure" app.
2. Download and install the app on your phone.



Enter the MAC ID in the format xx:xx:xx:xx:xx:xx. The MAC ID is printed at the back of the SECURE box and on the package.

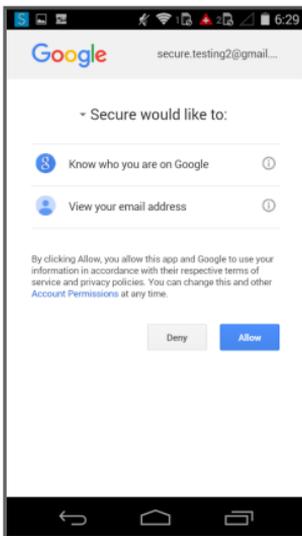
Enter your Google ID.



SECURE needs you to have a valid Google id to log into it.

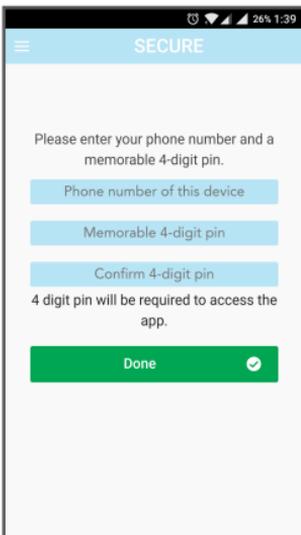
Enter your Google id and login. SECURE will verify your details with Google and will authenticate you.

Allow access.



Click on "Allow" on the next screen for the Google authentication to be completed.

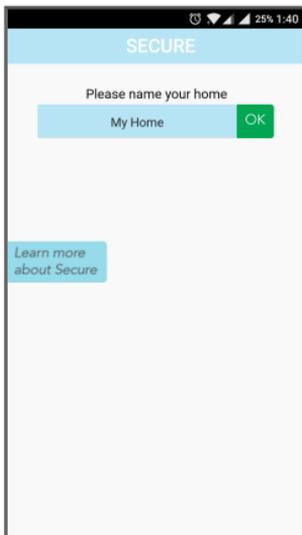
Enter required details.



The screenshot shows a mobile app interface with a light blue header labeled "SECURE". Below the header, the text reads: "Please enter your phone number and a memorable 4-digit pin." There are three light blue input fields stacked vertically, labeled "Phone number of this device", "Memorable 4-digit pin", and "Confirm 4-digit pin". Below these fields, the text says: "4 digit pin will be required to access the app." At the bottom, there is a green button with the text "Done" and a white checkmark icon. The status bar at the top shows the time as 1:39 and 26% battery.

Enter your 10-digit mobile phone number and the 4-digit PIN. You would need to remember this PIN to access the app when it has been minimized.

Name your home.



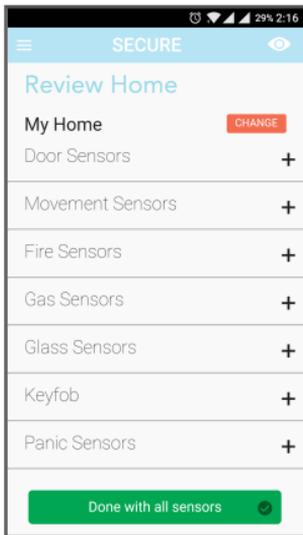
The screenshot shows the same "SECURE" app interface. The text now reads: "Please name your home". Below this, there is a light blue input field containing the text "My Home" and a green button with the text "OK". Below the input field, there is a light blue button with the text "Learn more about Secure". The status bar at the top shows the time as 1:40 and 25% battery.

Now enter a name for your home.

After you click on "OK", you will see the screen "Review Home" described in the next section.

Review Home.

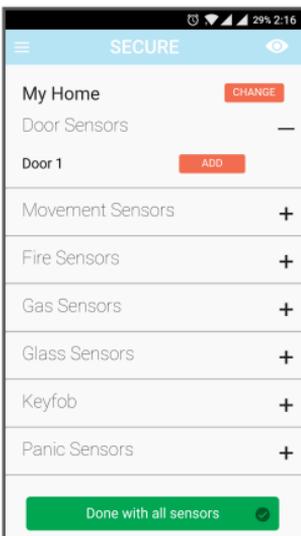
V. Adding sensors



You may now add different kinds of sensors by clicking on the + button in front of each sensor type.

In this manual, we will show you how to add wireless door intrusion sensors. You may follow a similar procedure to add other kinds of sensors or keyfobs.

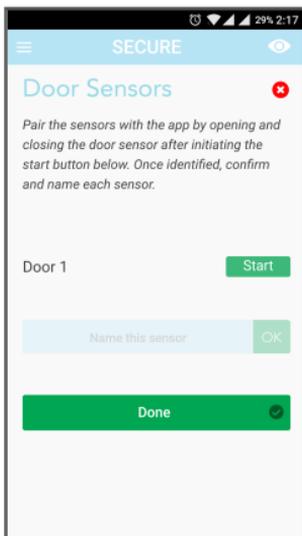
Begin with door sensors.



Fix the wireless door intrusion sensors on the door and frame by following the procedure given in its installation sheet.

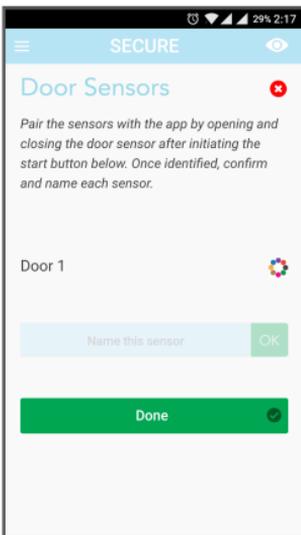
Click on "Door Sensor" in the "Review Home" screen. Keep the door sensor and its counterpart magnet together.

Start Pairing.



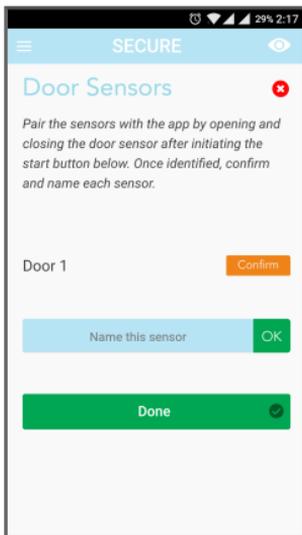
Now click on 'ADD' button and press the 'START' button on the following page.

Trigger the sensor.



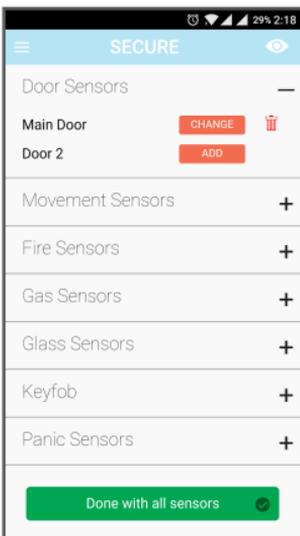
1. As the progress wheel rotates, trigger the sensor by moving the door sensor away from its counterpart.
2. SECURE will then recognize this as a sensor and the progress wheel will be replaced by the 'CONFIRM' button.

Name the sensor.



1. When the 'CONFIRM' button appears, give a name for the sensor and click on the 'OK' button.
2. Continue to add more door sensors in the same manner.
3. Click on the 'Done with Door Sensors' when all door sensors have been added.

Add all other sensors.

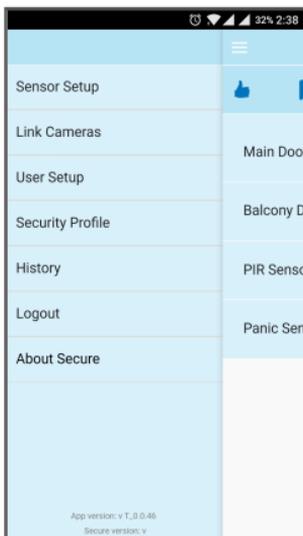


1. Follow the same steps to add all the other types of sensors and keyfobs. Use the trigger method mentioned by the respective manufacturers.
2. Press the 'DONE' button once all the sensors have been added successfully.

Link Cameras.

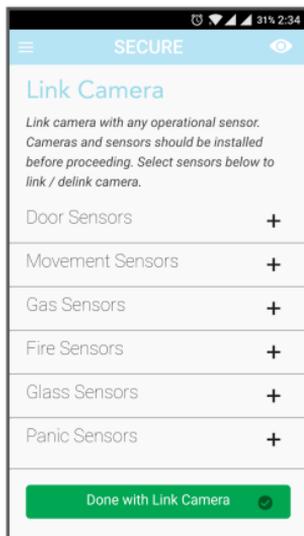
VI. Linking cameras with sensors

1. Install IP cameras following the procedure given in the manufacturer's installation manual. Provide the user name as "admin" and password as "admin". The list of supported IP cameras is given in the silvan.co.in website.
2. Use the Dynamic DNS (DynDNS) procedure given by the camera manufacturer, to get a Dynamic DNS name registered for your home router.
3. Configure your router to forward the ports of the cameras. Refer the manual of your router for details.



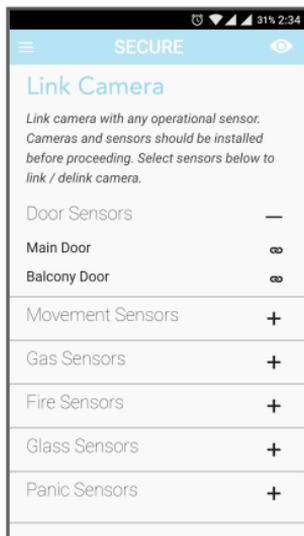
Touch the slider bar and select the 'LINK CAMERAS' option.

Select the sensor type.



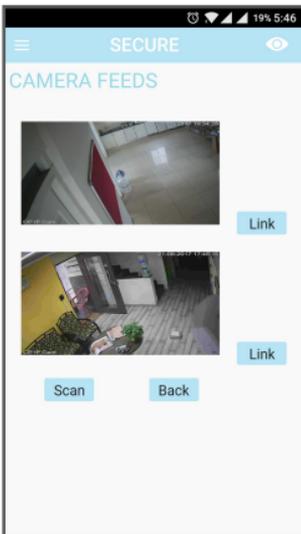
Click on the '+' button next to the sensor type.

Select the sensor.



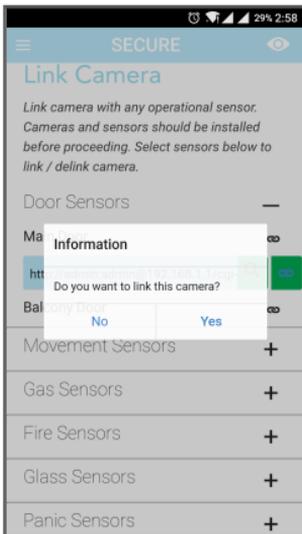
Click on the 'LINK' icon beside the sensor that you want to link the camera with. Then select the 'SEARCH' icon.

Search for cameras.



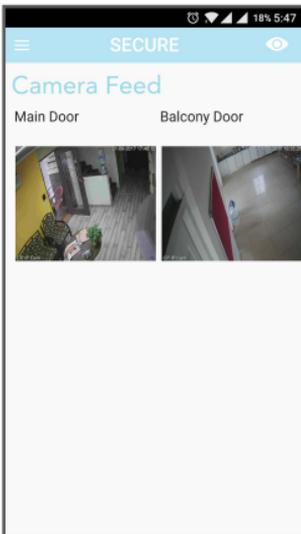
1. This will start searching the local network for cameras and a mosaic of camera views will be shown.
2. Select a camera to be linked by clicking on the "Link" button next to one of the cameras shown in the mosaic.

Select a camera.



1. Click on the same sensor in the "Link Camera" page.
2. Modify the URL suitably with the Dynamic DNS (DynDNS) address that you had obtained for your home router.
3. Click on the "Link" icon. Then confirm by clicking on "Yes" in the popup.

See all linked cameras.



Touch the 'Eye' icon on the top row.
This shows the videos from all the
cameras linked with the sensors.

Zoom into a camera.



To view the zoomed video from any
camera, click on the video of the
camera in the mosaic view.

Add users.

VII. Adding Users



Touch the slider bar and select the 'USER SETUP' option.

Enter user details.

SECURE

Authorise Users

Add names & gmail addresses of people you'd like to authorize to use the system(Max 5). We will send them a link to download the app.

Select From Contacts

Or add users manually

Name

Mobile Number

Enter Gmail address of user

Add User

Done with users

1. Enter the requested details of the user. Note that non-Gmail addresses are not supported.
2. You may also select a user from your address book. A maximum of 5 users can be added.

Exit this option.

SECURE

Authorise Users

1. Secure user 1
secure.user1@gmail.com Edit
2. Secure user 2
secure.user2@gmail.com Edit

Select From Contacts

Or add users manually

Name

Mobile Number

Enter Gmail address of user

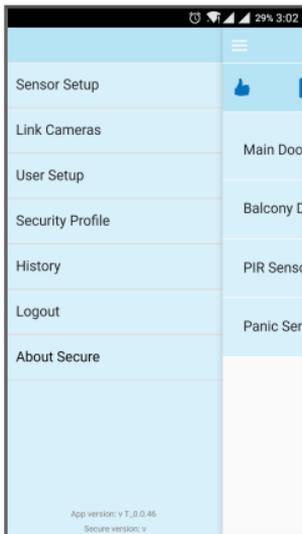
Add User

Done with users

Press the 'DONE WITH USERS' button when all users have been added successfully.

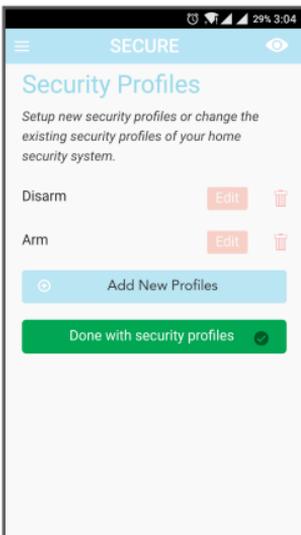
Add Profile.

VIII. Adding Profiles



Touch the slider bar and select the 'SECURITY PROFILE' option.

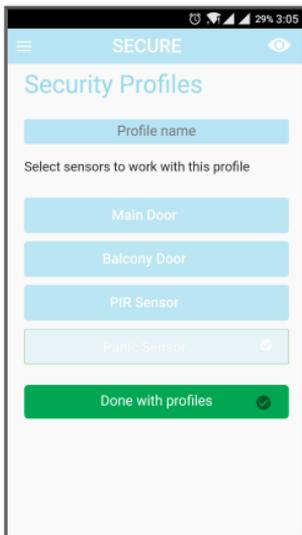
Create new profile.



The default profiles are DISARM (which has all sensors inactive) and ARM (which has all sensors active). These cannot be removed or changed. Note that the safety sensors (gas leak and smoke) are active in all profiles.

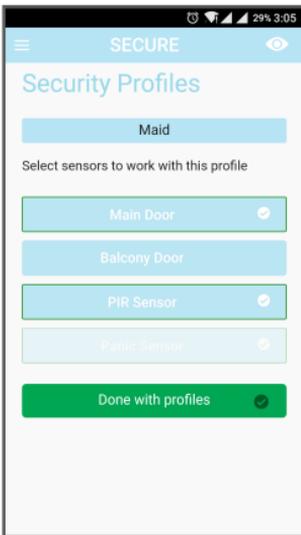
Press the "ADD NEW PROFILES" button.

Enter profile details.



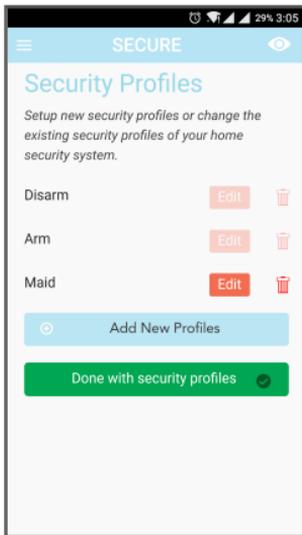
Enter a name for this profile. Then select the sensors that would be active in this profile.

Complete this profile.



Click the 'Done with profile' button to complete the creation of this profile

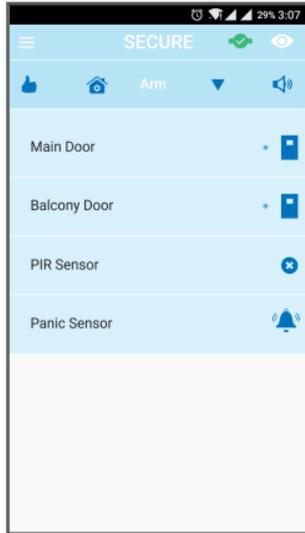
Exit this option.



Once all profiles are added, press the 'DONE WITH SECURITY PROFILES'.

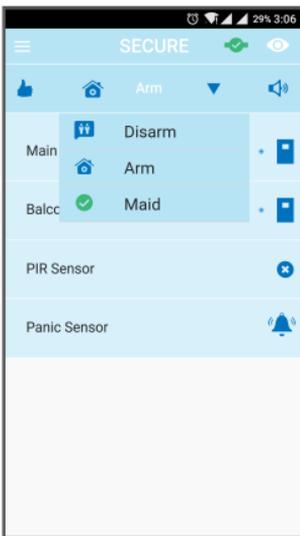
View the Dashboard.

IX. Using the dashboard



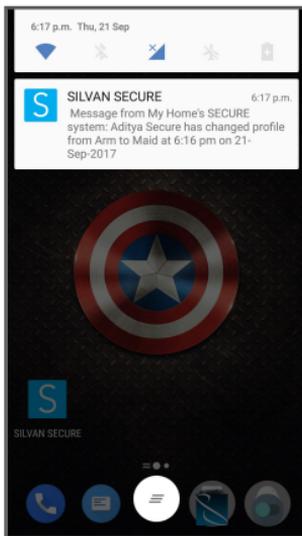
The dashboard shows the status of the added sensors, the current activated profile and the alert status of SECURE.

Change profile.



To change the profile, touch the currently activate profile. You can choose one of the profiles from the drop-down list.

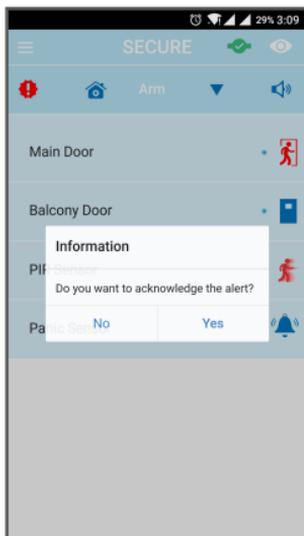
Receive alerts.



If any of the active sensors in the current profile get triggered, you will receive a notification.

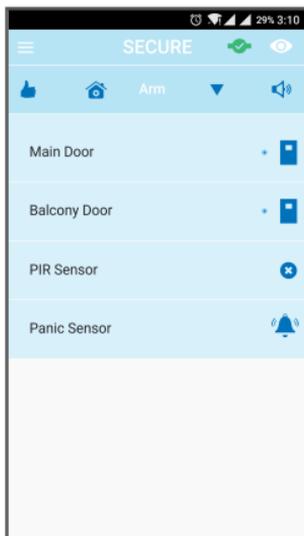
When you touch on a notification, the app prompts you for the 4-digit PIN. The dashboard opens up and you can see the cause of the alert..

Acknowledge alerts.



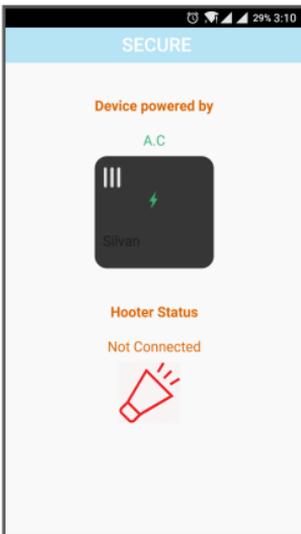
Once you have investigated the status, you may acknowledge the alert by touching on the 'ALERT' icon.

View connection status.



The 'CONNECTED' icon at the top of the screen shows if the SECURE has a connection to the Internet server.

View status indications.



You may know the power status of SECURE by touching on the 'CONNECTED' icon.

This also shows if the wireless hooter is paired with SECURE.

Touch the SECURE text at the top of the page to return to the dashboard.

View a camera.



1. If a camera is linked to a sensor, you will see a small circular icon indicating this to the left of the icon of the sensor.
2. To see the camera feed associated with a sensor, click on the sensor icon.

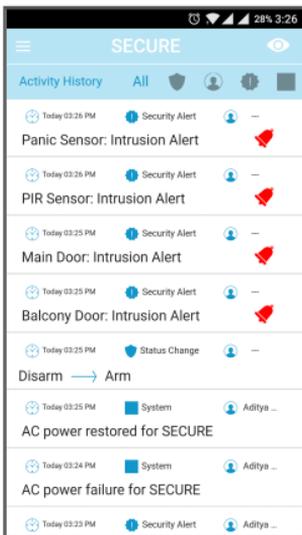
X. Viewing the Activity Logs

Select History.



Touch the slider bar and select the 'HISTORY' option.

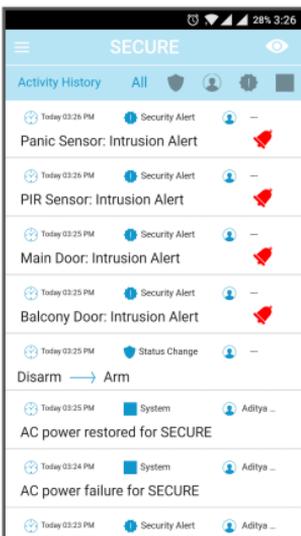
View the logs.



Under the "All" tab, all the logs including security events, user events and system events are displayed. The time of occurrence of each event is shown at the top-right corner of the event.

You may see older events by swiping the screen upwards, or more recent events by swiping downwards.

View different categories of logs.



You may view different categories of logs by touching the appropriate icon at the top of the screen.

The Security icon, for example, shows all the security alerts that occurred.

You may return to the dashboard by touching the "SECURE" text at the top of the page.

Drill Hole 1

Drill Hole 2



XI. Drill Template

Contact SECURE Customer support at:
+91-9108001820/21/22

Email: support@silvan.co.in
www.silvan.co.in/silvansecure