

User Manual

for

Smart Security

Version 1.0

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1.0 General Information

1.1 System Overview

Smart Security involves utilizing a smart home device (Google Home and/or Google Home Mini) and turning it into a cheap, multifunctional, and transportable security alarm system. The target demographic would be college students or recent graduates who do not have a lot of disposable income and are renting an apartment. When the smart home device is activated, the alarm system would warn the intruders that they are in a protected area and send a text notification to the primary user. The alarm will also be logged for the user to view through the web application. The combination of a smart home device with a smartphone will allow users to monitor their home wherever they are.

1.2 Acronyms and Abbreviations

Alarm - the mode of the system during which the user is alerted to unauthorized entrants.

Authorized - an authorized entrant can disarm the alarm for a certain amount of time.

Entrant - a person who enters the home. An entrant may be authorized or unauthorized. The user is a permanently authorized entrant.

Home - the Google Home or Google Home Mini device incorporated in the system.

Residence - the apartment or other living space that the user is protecting using the system.

Unauthorized - an unauthorized entrant will cause the alarm to sound.

User - the primary owner of the device.

2.0 Things you need

For using our security alarm system, as a user, you would need a Google Home as the smart home device, an internet connection, a smartphone to connect it to the Google Home, the Google Home application installed on your phone, and lastly the Smart Security web application.

3.0 Setting up Smart Security

3.1 Smart Security Application

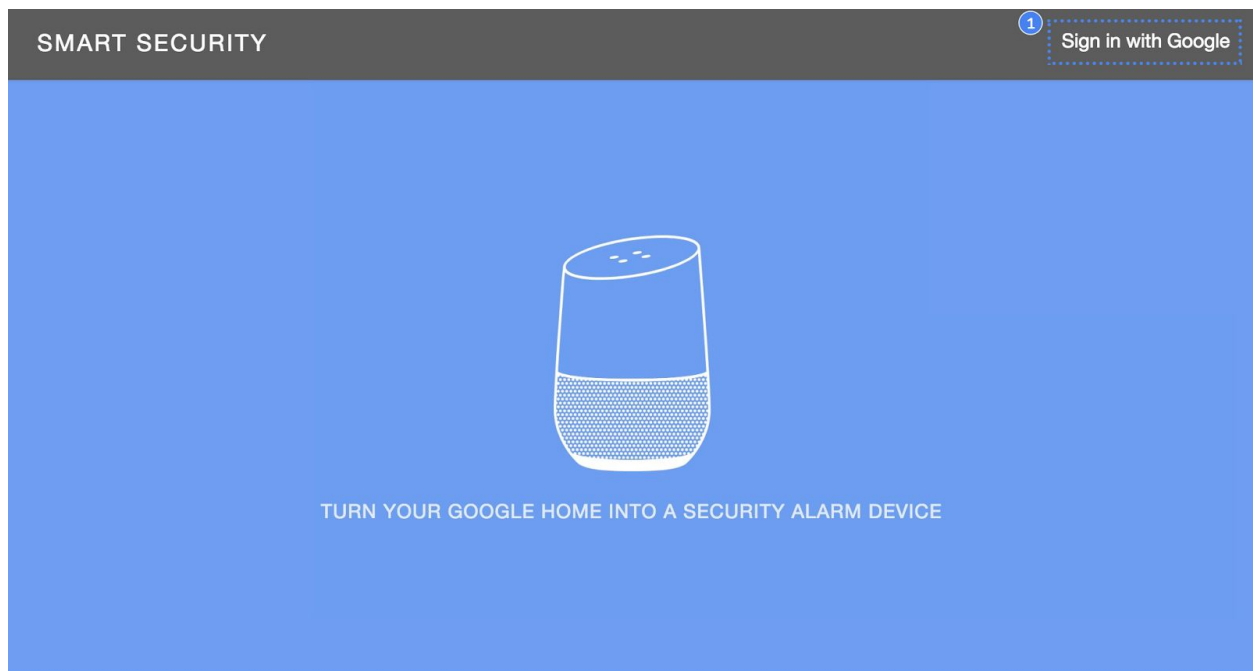
1. Open the Google Home app from your smartphone.
2. Find the Smart Security application.
3. Once you find the application, click "Link".
4. Interact with the application by saying, "Ok Google, let me speak/talk to Smart Security".

3.2 Web Application

1. On your web browser, go to the Smart Security web application.
2. On the landing page, click on the "Sign in with Google" area on the upper top corner of the page. A new window will open.
3. On the new window, enter your Google email that is associated with your Google Home.
4. Click the "Next" button.
5. Enter your password and click "Next".
6. The web application setup is now completed.

4.0 Explore the Web Application

4.1 Home Page



1. Sign in with Google: directs you to pop up window for signing in with your Google account

4.2 Navigation Bar




1. Smart Security: directs you to the home page
2. Alarms: directs you to alarms page
3. Entrants: directs you to entrants page
4. Sign Out: signs you out

4.3 Alarms Page

SMART SECURITY

AlarmsEntrantsSign Out



ALARMS

1

03/14/2018

Time: 4:51 PM

authorized

03/14/2018

Time: 8:33 AM

authorized


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1. Alarms: history list of all tripped alarms

4.4 Entrants Page



SMART SECURITY

AlarmsEntrantsSign Out



APPROVED ENTRANTS

1

Name	Phone	Email	2 Options
Tiffany Wong	xxx-xxx-xxxxx	abc123@drexel.edu	
Helen Hua	xxx-xxx-xxxx	abc123@drexel.edu	

3

Add Entrant


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1. Entrants: list of all current approved entrants
2. Delete button: deletes entrant
3. Add entrant: directs you to new page for adding a new entrant

4.5 Add Entrants Page

SMART SECURITY

AlarmsEntrantsSign Out



ADD ENTRANT

1

First Name

First Name

Last Name

Last Name

Email Address

Email Address

Phone Number

(XXX) XXX-XXXX

2

Add Entrant

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1. New entrant form: area to enter new entrant's information
2. Add entrant: adds new entrant to entrant list

5.0 Using Smart Security

5.1 Arm alarm

In order for a user to arm the alarm:

1. They must make sure the Google Home is on
2. The user says "set alarm [passcode]" to Google Home
3. The Google Home is now armed (activated)
4. The passcode is recorded on database

5.2 Disarm alarm

In order for a user to disarm the alarm:

1. They must make sure the Google Home is on, and already armed
2. User says "disarm alarm [passcode]" to Google Home
3. The Google Home was disarmed (deactivated)
4. The correct passcode was used

5.3 View alarms history

In order for the user to view alarms history, they must:

1. Be logged into Smart Security
2. Click on the Alarms button on the upper right corner of the screen

5.4 View approved entrants

In order for the user to view approved entrants, they must:

1. Be logged into Smart Security
2. Click on the Entrants button on the upper right corner of the screen once on the Alarms page

5.5 Add new entrants

In order for the user to add new entrants, they must:

1. Be logged into Smart Security
2. Click on the Entrants button
3. Click on "Add Entrant" at the bottom of approved entrants page
4. Fill in information for entrant
5. Click on "Add Entrant"
6. Entrant is now added to the list.

5.6 Delete entrants

In order for the user to delete new entrants, they must:

7. Be logged into Smart Security
8. Click on the Entrants button
9. On the "Approved Entrants" page, click on the delete button(s) under "Options" to delete entrant(s)
10. Entrant(s) is now deleted from the list.