

ST-3078W & ST-3108W

7" & 10" touch screen intercom
Installation Instruction Manual



ST-3078W 7" screen



ST-3108W 10" screen

CATALOG

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PRODUCT FEATURES

1. Building Intercom Application:

- VOIP: support video call, monitor and VOIP communication
- Security: support 8-way zone alarm with 3 states, make the zone and scene setup.
- Home: support RS-485 smart home extension.
- Contacts: android address book.

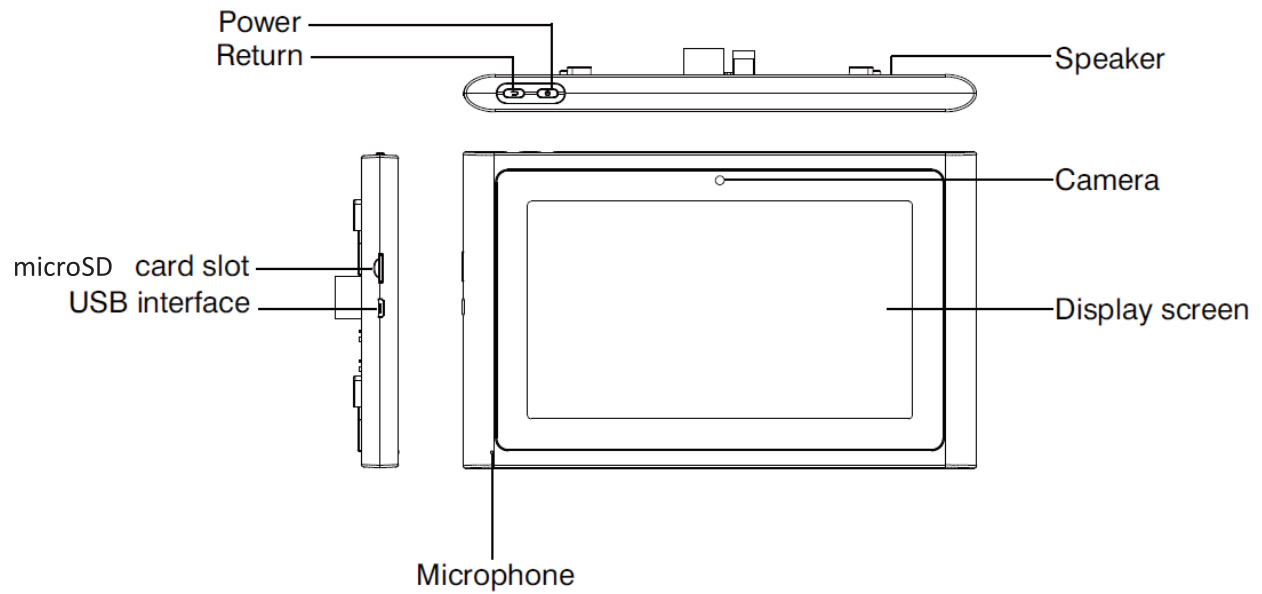
2. Operating system: Android 4.2.2.

SPECIFICATIONS

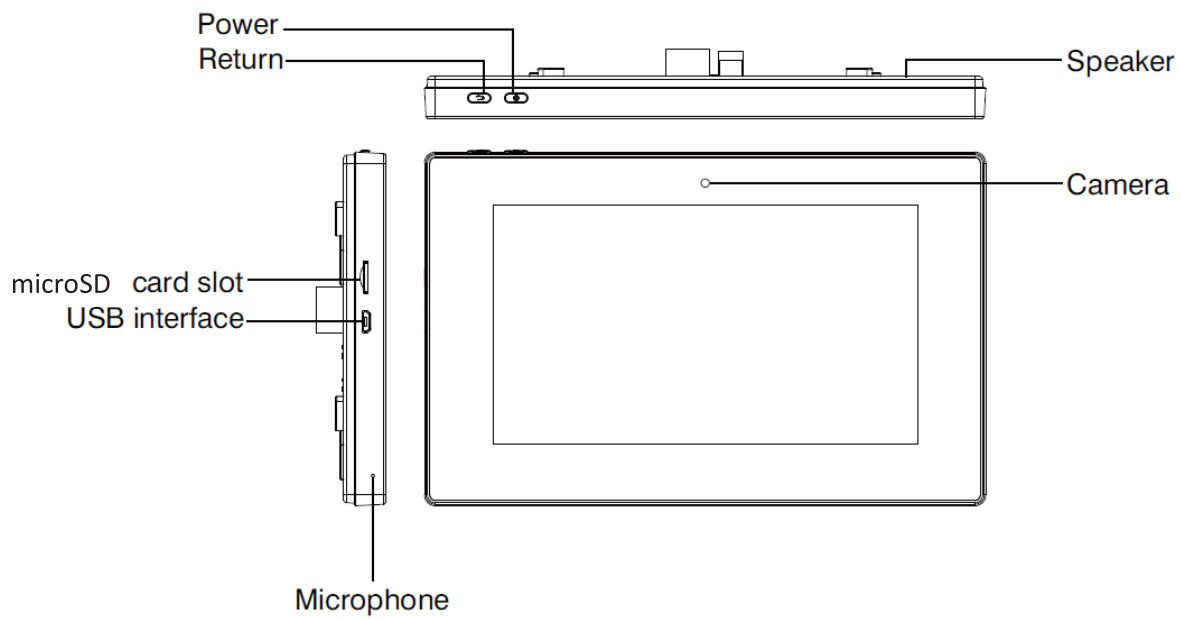
- Voltage: DC 12V
- Rated power: 6W
- Standby power consumption: 1.5W
- Display screen: 7" / 10.2"
- Resolution: 800*480/ 1024*600
- Operating temperature: -10°C~+50
- Relative humidity: 20%~85%
- CPU: single-core 1GHz
multi-core 1GHz
- Memory: DDR3 512MB (single-core)
DDR3 1GB (multi-core)
- Flash: 4GB
- Max microSD card capacity: 32GB

FEATURES

MODEL: ST-3078

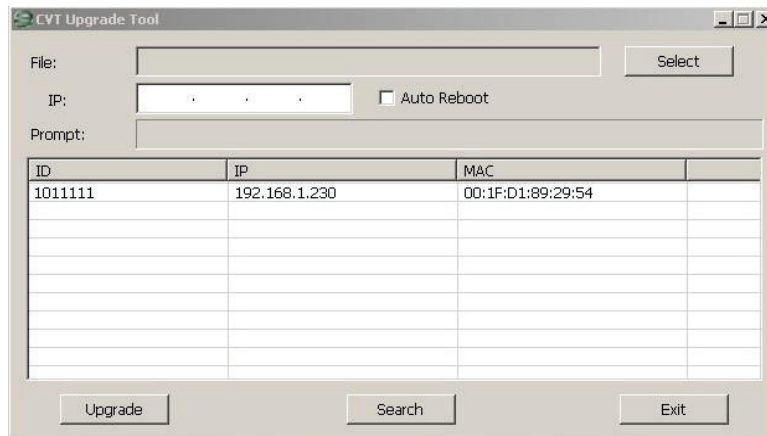


MODEL: ST-3108



1. PRE-NETWORK SETTINGS

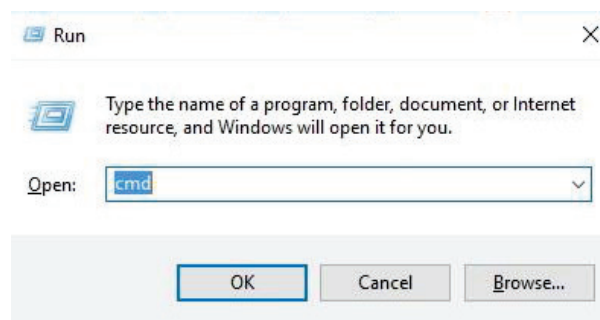
- Connect your IP room station to your switch or router via cat5e or cat6, then launch the **CVT Upgrade Tool** (This tool is on <http://channelvision.com/support/product-support/firmware-software/>). Click on the search button to find the IP address of your door station. 192.168.1.230 by default.



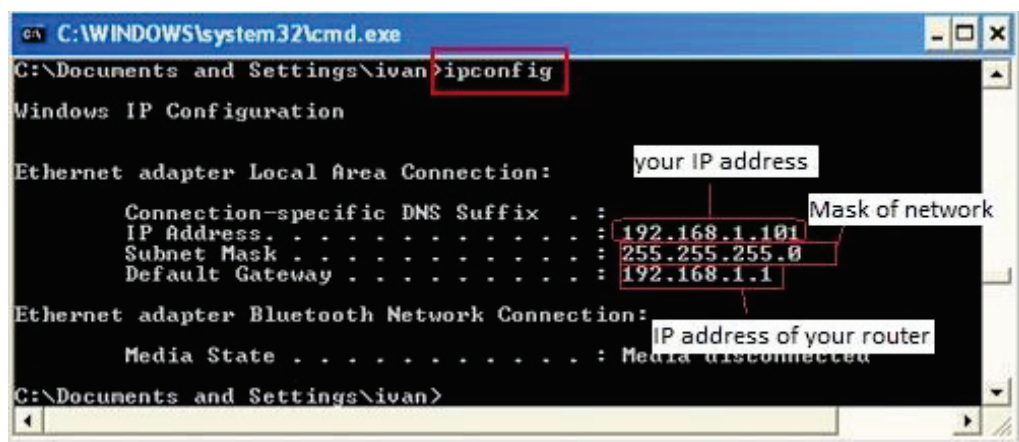
- Verify your computer's LAN settings from a command prompt. The easiest way to get to a command prompt on a Windows system is to press win+R on your keyboard. (Hold the windows key down and then press R).



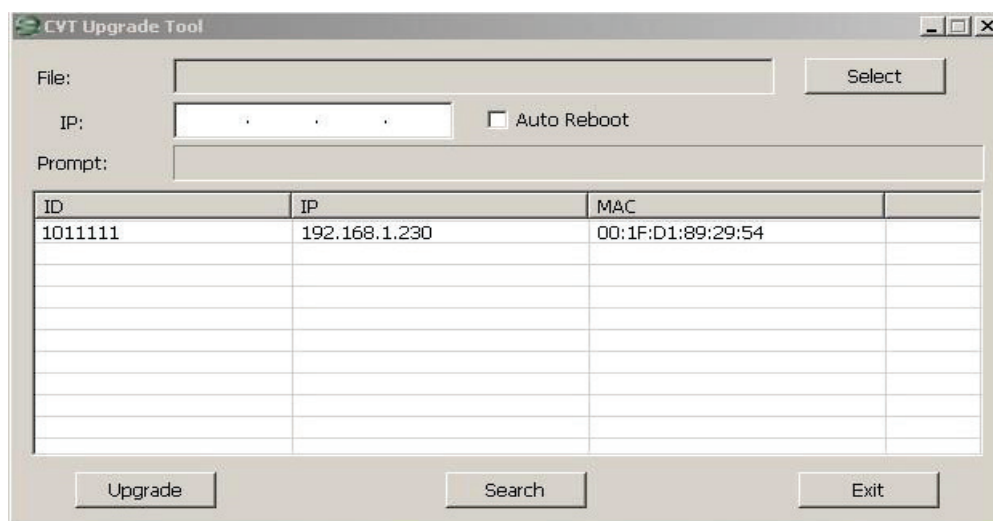
- After pressing the **win+R** key combination, you will type "cmd" and press OK to get to the command prompt.



- Once In the command prompt you will type “**ipconfig**” and press enter to find the IP information of your LAN (your IP address, Subnet mask, default Gateway).
- Make sure you write down your IP address, your network mask and your default gateway (router address) so you can reference them later.



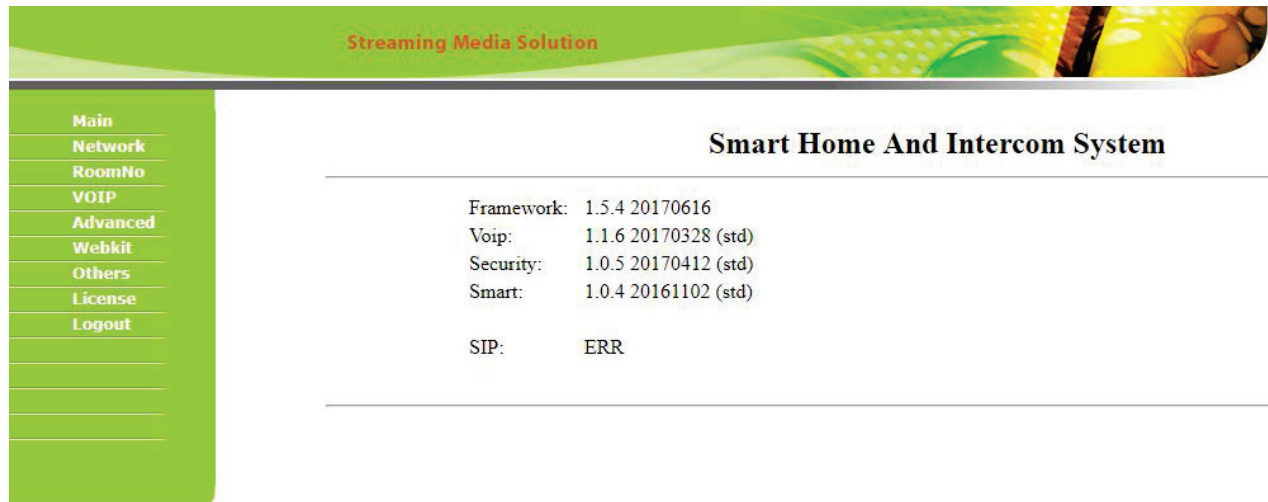
- Compare your IP address (pictured above) with the IP address of your room station (pictured below). If the first three octets (192.168.1.x) of your computer match the first three octets (192.168.1.x) of your room station you can proceed to step 4.
- If they don't match, you can refer to the “changing network settings” portion of this manual. Default IP address of the ST-3078 is 192.168.1.230, and for the ST-3108 is 192.168.1.220.



Note: Do not proceed to step 3 until you have verified your computer and room station are on the same network.

2. ACCESSING AND CONFIGURING THE USER INTERFACE

- Open a Web browser, type the IP address of your room station into the address bar at the top and press enter to access the user interface. For ST-3108 the default IP is 192.168.1.220 and for ST-3078 is 192.168.1.230



- Enter your user name and password to access the user interface. The default user name is "admin" and default password is "123456"



3. NETWORK SETTINGS

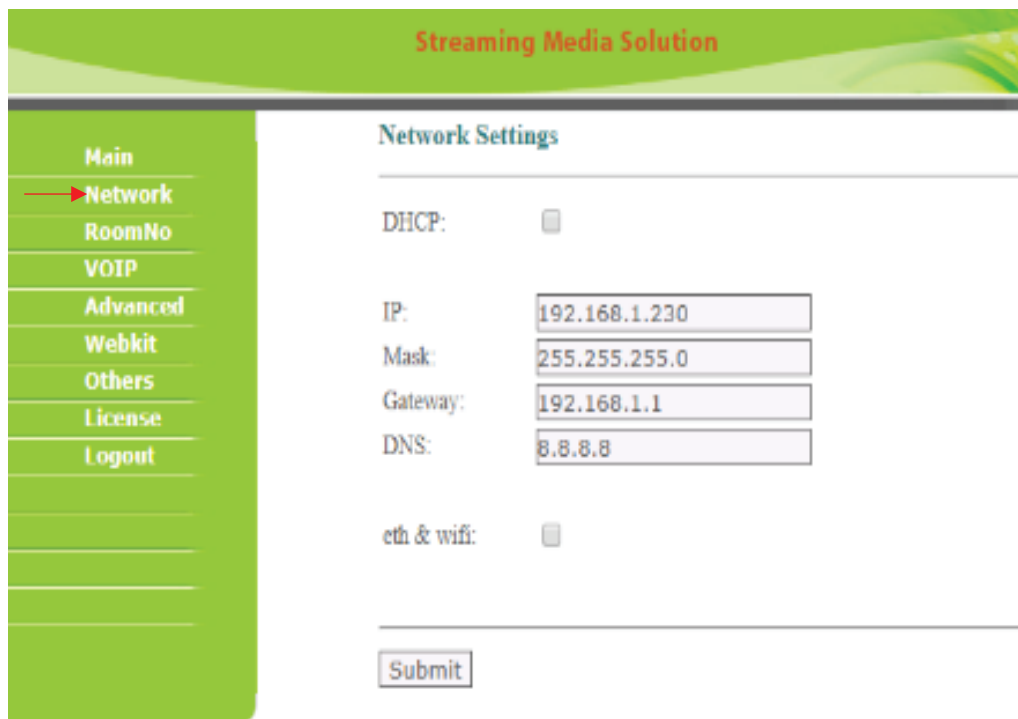
DHCP: leave the DHCP box unchecked, we want to leave the room station on a static address to access it later to make any necessary changes.

IP: enter an IP address for your room station to use in your network. (refer to pre-network settings info)

Mask: 255.255.255.0 The subnet mask of your network.

Gateway: 192.168.1.1 The IP address of your router.

DNS: 8.8.8.8 or enter the same DNS address that you are using on your local network (you can find the DNS address your network is using by typing "ipconfig /all" into a command).



The screenshot shows a web interface titled "Streaming Media Solution" with a green header. On the left is a green sidebar menu with the following items: Main, Network (highlighted with a red arrow), RoomNo, VOIP, Advanced, Webkit, Others, License, and Logout. The main content area is titled "Network Settings" and contains the following fields:

- DHCP: ☐
- IP:
- Mask:
- Gateway:
- DNS:
- eth & wifi: ☐

At the bottom of the form is a "Submit" button.

4. TOUCH SCREEN ROOM SETTINGS

Build: 1-99. (Must match SI-8000 device settings)

Unit: 1-99. (Must match SI-8000 device settings)

Floor: 2 digits, 11 is default: (Must match SI-8000 device settings)

Room: 2 digits. (If a particular configuration is needed, see sections 4.1 or 4.2.)

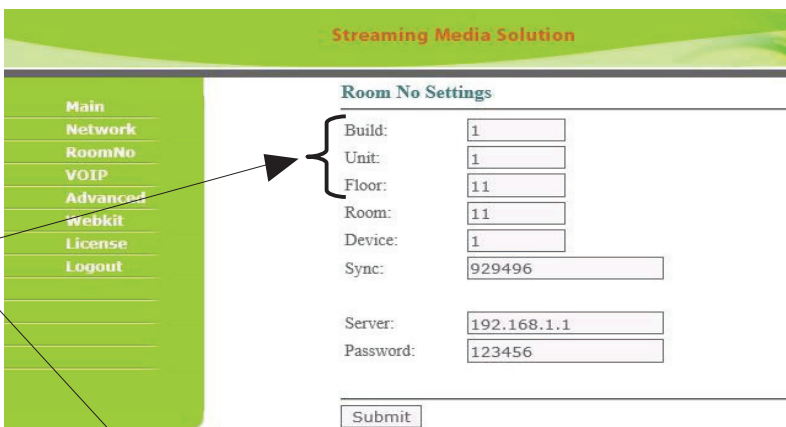
Device: Must start with 0-9 and not have 2 devices with the same number including mobile phones.

Sync: used to sync any additional room stations together to communicate with each other.

Server: when using management software for MDU's otherwise this will be the router address.

Password: The password used to login to a management server.

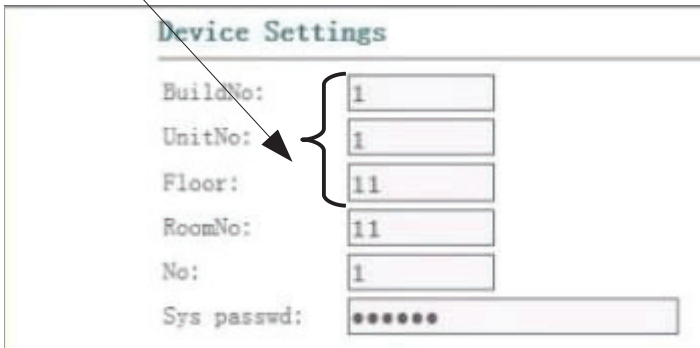
Must match



The screenshot shows the 'Room No Settings' page of a 'Streaming Media Solution' web interface. It features a green sidebar with navigation links: Main, Network, RoomNo, VOIP, Advanced, Webkit, License, and Logout. The main content area contains input fields for Build (1), Unit (1), Floor (11), Room (11), Device (1), Sync (929496), Server (192.168.1.1), and Password (123456). A 'Submit' button is at the bottom. Arrows from the 'Must match' text and the 'SI-8000 settings' section point to the Build, Unit, and Floor fields.

Room No Settings	
Build:	1
Unit:	1
Floor:	11
Room:	11
Device:	1
Sync:	929496
Server:	192.168.1.1
Password:	123456
Submit	

SI-8000 settings



The screenshot shows the 'Device Settings' page for an SI-8000 device. It contains input fields for BuildNo (1), UnitNo (1), Floor (11), RoomNo (11), No (1), and Sys passwd (*****). Arrows from the 'Must match' text and the 'Room No Settings' section point to the BuildNo, UnitNo, and Floor fields.

Device Settings	
BuildNo:	1
UnitNo:	1
Floor:	11
RoomNo:	11
No:	1
Sys passwd:	*****

For the multiple screens in the installation, we have 2 different options to intercommunicate with each screen.

4.1 Room Station Setup: Automatic Detection of Devices **OPTION 1** quickest setup option

- We must configure at least 2 screens with this setting:

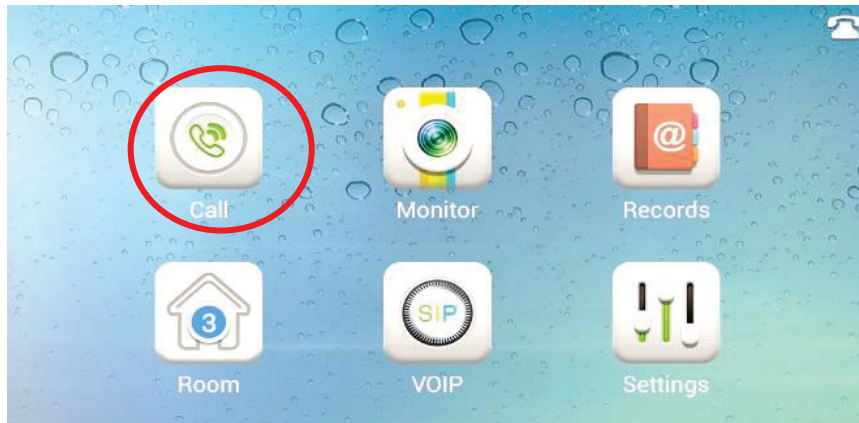
The image shows two identical screenshots of the 'Room No Settings' configuration screen. The screen has a green header with 'Streaming Media Solution' and a green sidebar with menu items: Main, Network, RoomNo, VOIP, Advanced, Webkit, Others, License, and Logout. The main content area is titled 'Room No Settings' and contains the following fields:

- Build: 1
- Unit: 1
- Floor: 11
- Room: 11
- Device: 0
- Sync: 575573
- Server: 192.168.1.1
- Password: 123456

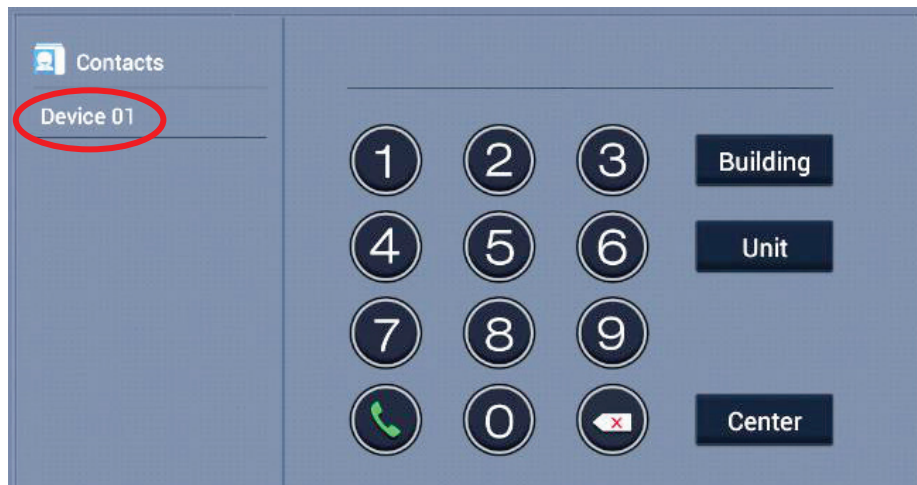
A red box highlights the 'Sync' field in both screenshots. At the bottom of each screen is a 'Submit' button.

- Be certain that they have the same 'Sync' number so they could see each other on the network.
- Also, each device that is installed, must carry the same 'Room No', but in the 'Device No' the first one of the devices in the installation will start with "0", the second one with "1", and so on. It means this is a sequence device installation that also helps us with the incoming calls from the door station, in the "Forward/ One by One" setting, so it will ring first in one device then on to the second one, etc.
- Go into the VoIP icon on the front screen, then to the Call icon:





- In the Call Section, you now must see the Devices Installed in that moment. For this case, we are in the Device #2, so we must see the Device #1 into the contact list.



4.2 Room Station Setup: Custom Room Names and Contacts OPTION 2 multi-station

- With this configuration, we could add new contacts on our screen, and we can customize the names on it (Kitchen, Living Room, Jacob's Room, etc). So first, we must make sure that this setup is being made first:

Streaming Media Solution

Room No Settings

Build: 1
Unit: 1
Floor: 11
Room: 12
Device: 0
Sync: 575573

Server: 192.168.1.1
Password: 123456

Submit

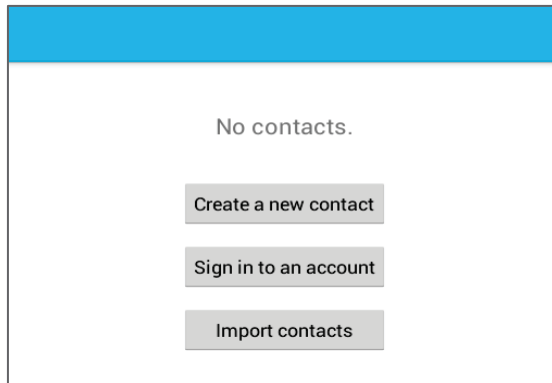
- Make sure that they have the same 'Sync' number, so they can see each other on the network
- Room number must be unique: example room #12 and room #13
- Also, each device that is installed, must have the 'Device No': "0", so it means this is a unique unit on the network.

4.2.1 Add Contacts

- Select 'Contacts' on the home screen.



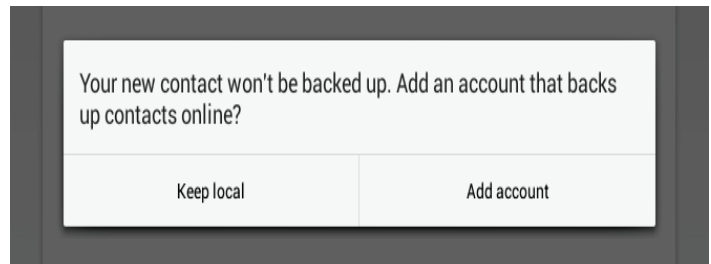
- In this section, you could have the following options:



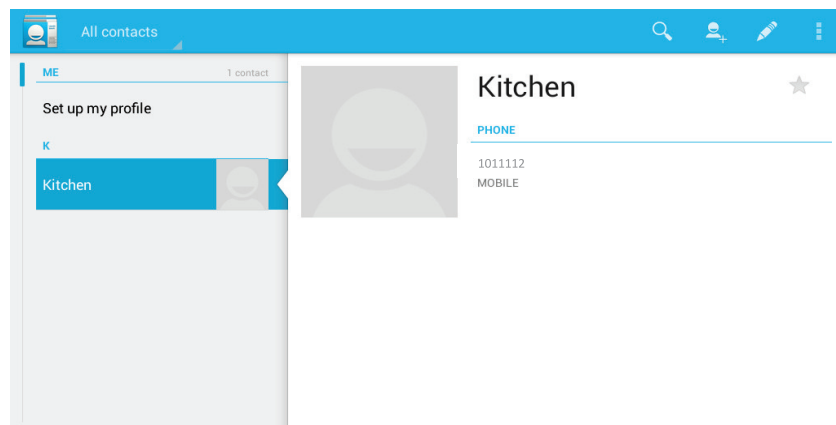
- ☐ You could create a new contact for the device
- ☐ Sign in to an account: you could access your email account and import contacts from there.
- ☐ Import Contacts: If you have some contact files (XXX.vcf) files in a micro SD card inside the unit, you can import those contacts too.

- Select "Create a new contact, and it will prompt the following image:

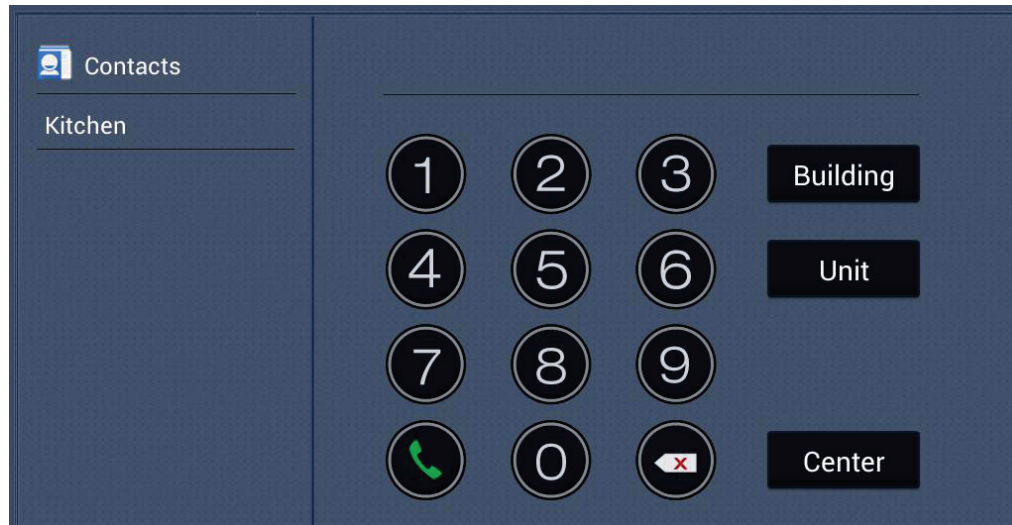
- ☐ Select "keep local" to save the new contact on the internal memory of the touchscreen room station.
- ☐ With the touchscreen room station connected to the internet and with an email account, you could backup this new contact to your online contact list.



- In this section, input the name and the number of the extension of the units. For this example, we use '1011112' for the 'Kitchen'.



- In the VoIP App “Call Section” now you will see the new contact.



- To Call the Kitchen: Select “Kitchen” contact, then the green phone icon.



5. VOIP SETTINGS:

First, the **SIP** box must be checked
to configure this part, as shown:

The screenshot shows the 'Streaming Media Solution' interface. On the left is a green sidebar menu with options: Main, Network, RoomNo, VOIP (highlighted with a red arrow), Advanced, Webkit, Others, License, and Logout. The main content area is titled 'SIP Settings' and contains the following fields:

- SIP enable: ☒
- Proxy:
- Realm:
- Outbound:
- STUN IP:
- STUN Port:
- User:
- Password:
- Timeout:

At the bottom of the settings area is a 'Submit' button.

Proxy: URL of your SIP server. For the mobile visualization of the Door Stations, we will use the Linphone app, is an open source SIP Server, so the parameters that fit in this part is: **sip:sip.linphone.org**.

Realm: URL of the domain your SIP Authentication server is on. It will use **sip.linphone.org**.

Outbound: URL of your outbound proxy server. It will use **sip: sip.linphone.org**.

STUN IP: URL of the STUN Server. For this case, will use **sip.linphone.org**.

STUN Port: Port used to setup phone calls to a VOIP provider outside the local network. You should use **5060** as a default port.

User: Is the user name for your SIP account from the linphone.org website.

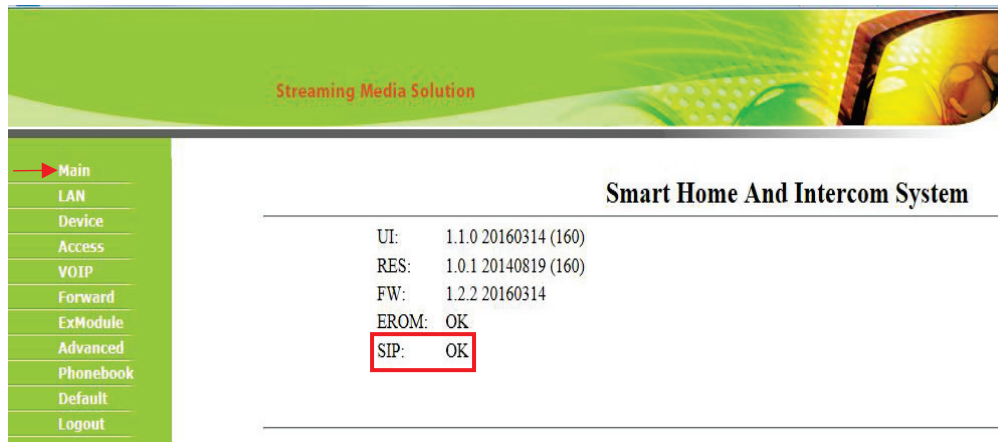
Password: Use the password for your SIP account from the linphone.org website.

NOTE: This is only for the room stations. All mobile phones and Touchscreen Room Stations must have their own Linphone account. Think of this as an individual phone number or extension.

Timeout: Amount of time in seconds the door station will attempt to make a call (120-1800s).

Select "**Submit**" button to confirm settings.

To confirm that the VOIP is set up correctly, in the “**MAIN**” section you will see the SIP Text is OK as a shown:



6. ADVANCED SETTINGS

Ex Phone: Enter the URL of an SIP Account to forward when touchscreens room stations not answered.

Auto Pickup: Automatically answers an incoming call from another device.

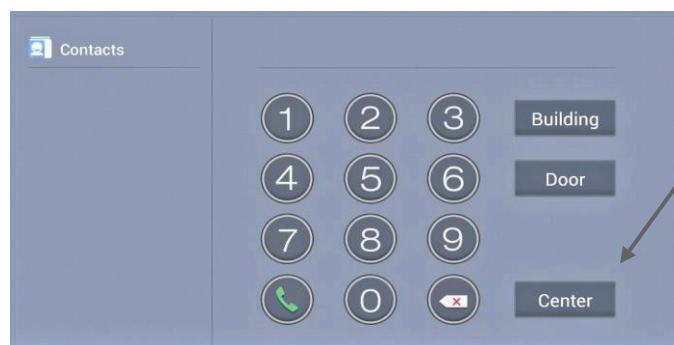
Quick Call: Enter the URL of a device to be called when you press the “Center” button on the call screen (Figure 3-1).

DTMF Unlock: Check the box to activate (DTMF) Dual Tone Multi Frequency unlock (Unlock with a code typed into a keypad).

DTMF: Enter the code to be used to unlock the door from a keypad.

Quick
Call

VOIP/Call
Section



7. Website Settings

Advertising: Enter the URL of a web page you want to advertise on the screen saver and select the box above.

Browser: enter a web address that you want the BROWSER icon to navigate to.

Mall: enter a web address that you want the MALL icon to navigate to.

GOV: enter a web address that you want the GOV icon to navigate to.

Cook: enter a web address that you want the COOK icon to navigate to.

MAP: enter a web address that you want the MAP icon to navigate to.



The screenshot shows a web interface titled "Streaming Media Solution" with a green header. On the left is a green sidebar menu with the following items: Main, Network, RoomNo, VOIP, Advanced, Webkit, Others, License, and Logout. The "Webkit" item is highlighted. The main content area is titled "Webkit Settings" and contains the following fields:

- Advertising: ☐
- Url:
- Browser:
- Mall:
- GOV:
- Cook:
- MAP:

At the bottom of the settings area is a "Submit" button.

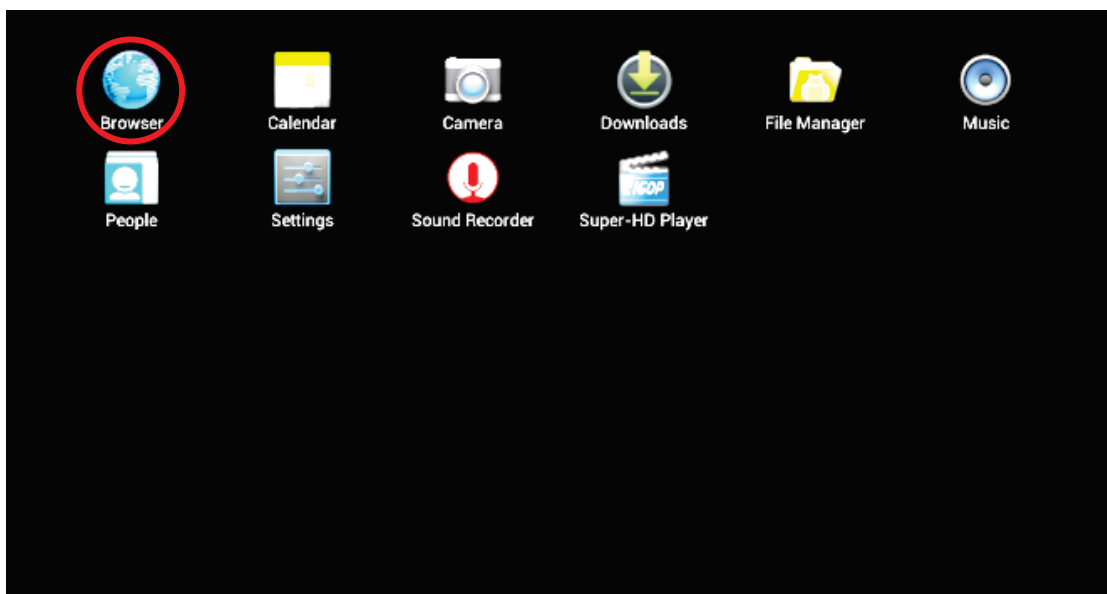
8. DOWNLOAD 3RD PARTY APP'S to the TOUCH SCREEN ROOM STATIONS

Steps to download a third-party Android App on the touchscreens room stations.

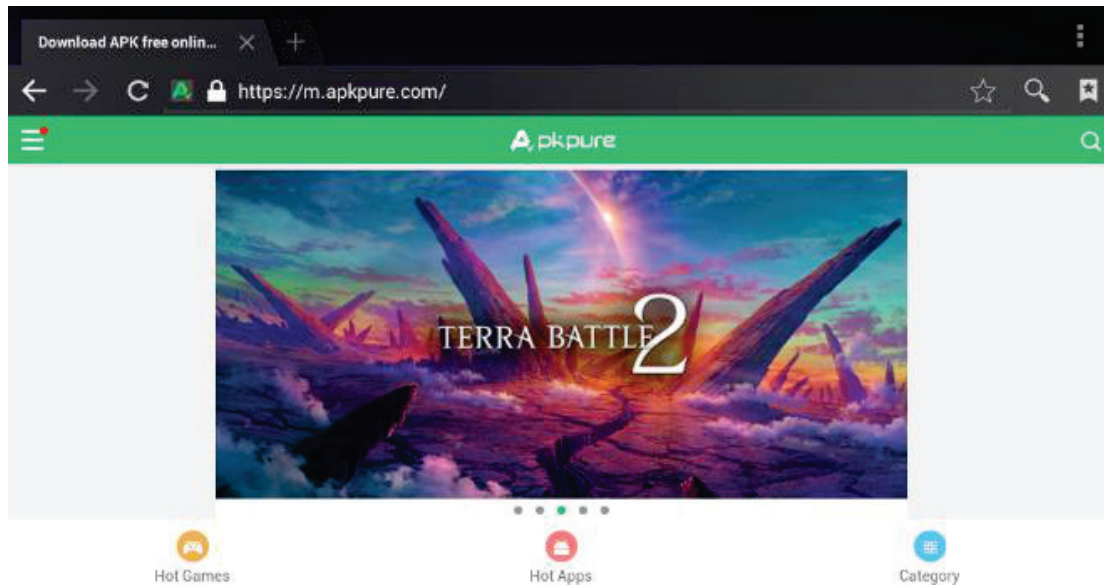
- 1) Connect to the internet on the touchscreen.
- 2) Go to 'App' Icon in the right upper corner.



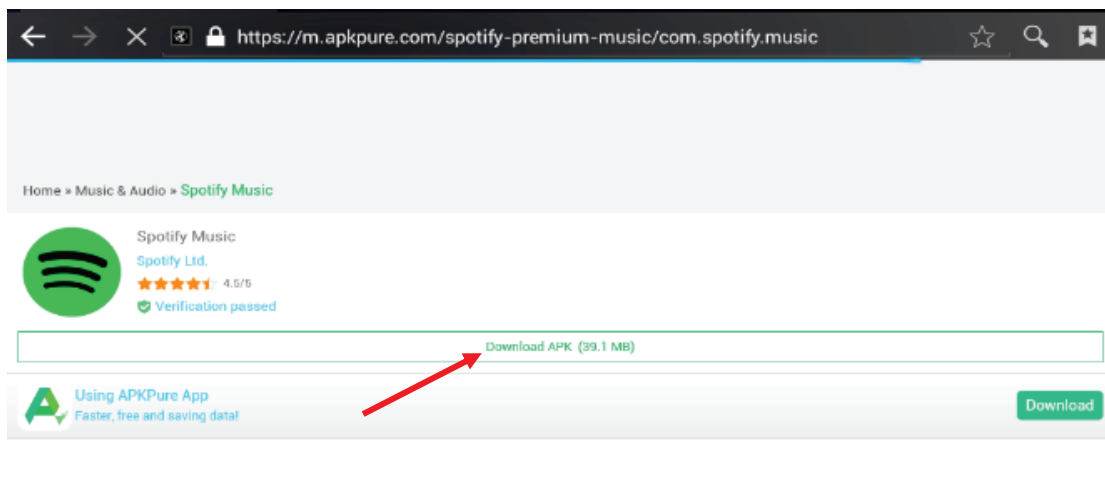
- 3) Choose the 'Browser' Icon in the Applications menu.



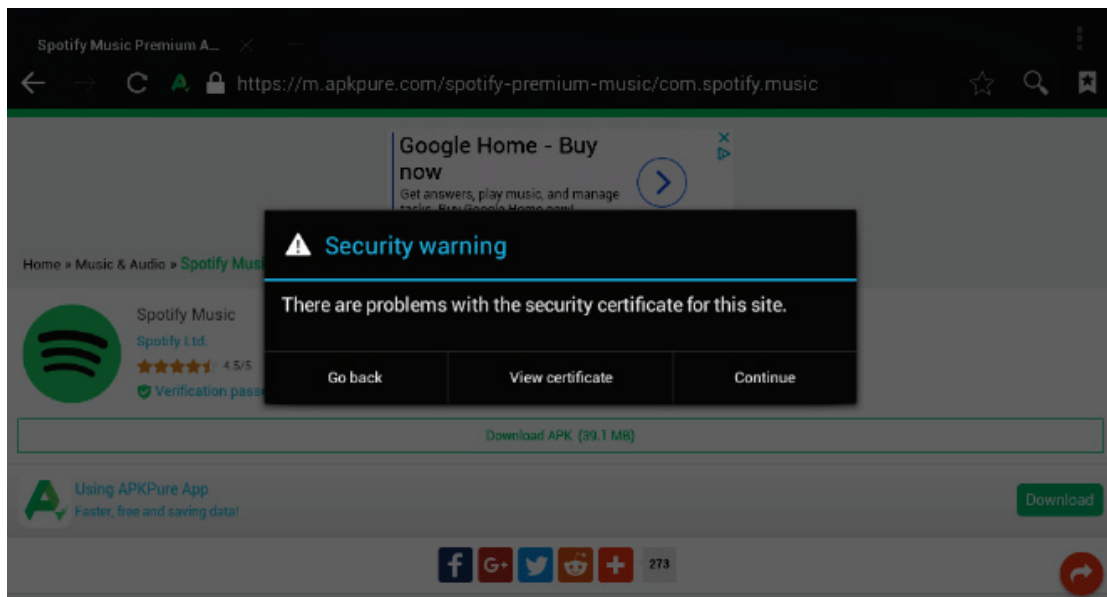
- 4) In the Browser search bar, type <http://m.apkpure.com>



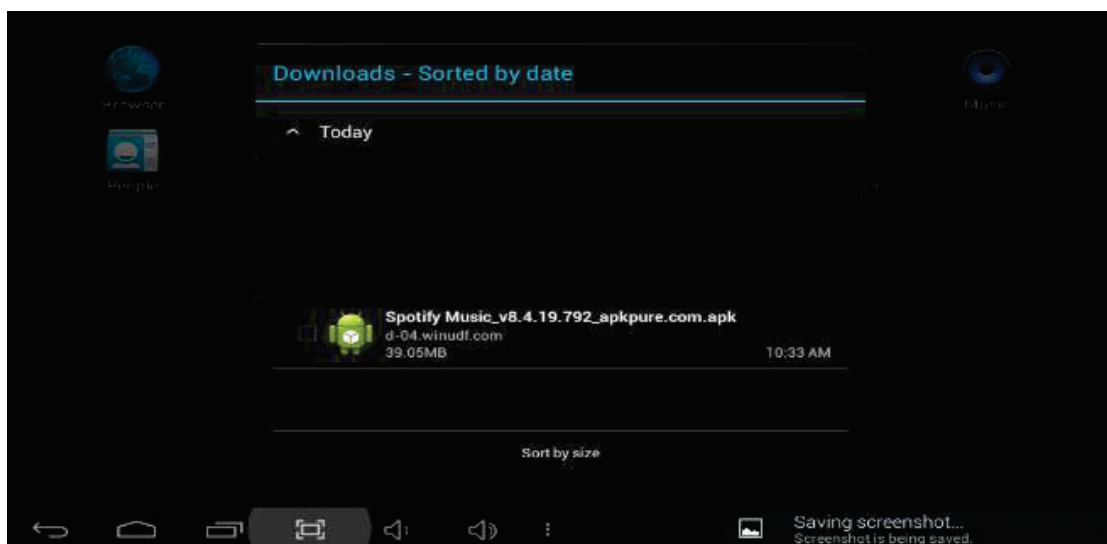
- 5) With the 'Search tool' in the webpage, type the name of the app that you want to install. For this example, we will use "Spotify".



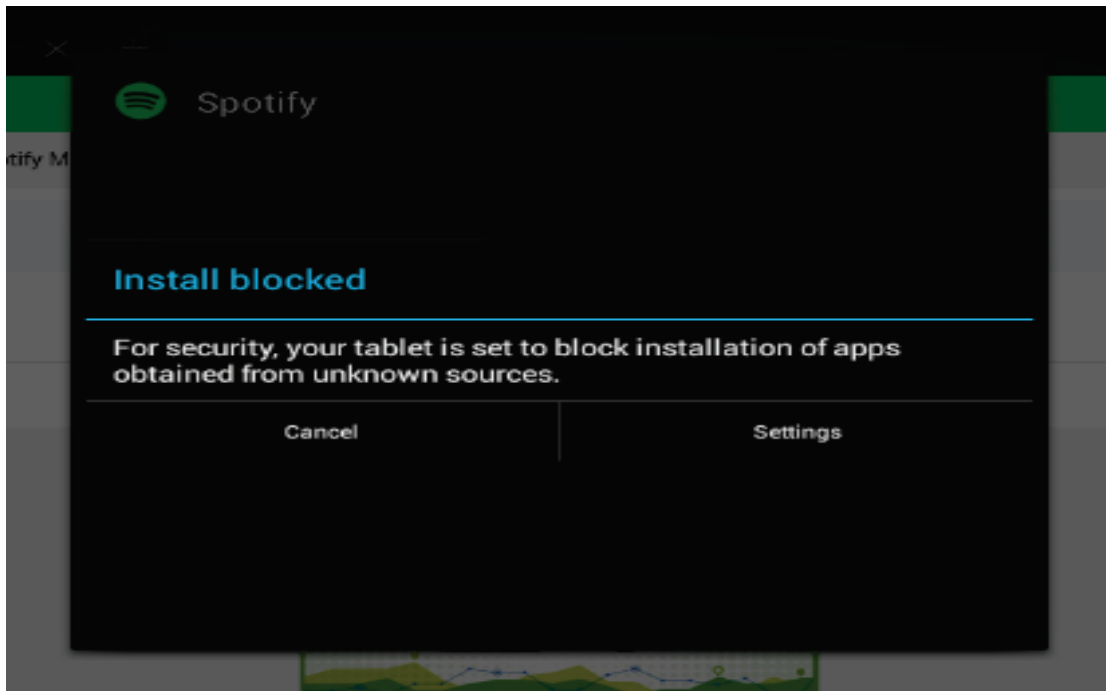
- 6) Select the “Download” button, a Security Warning pop up will warn you about a problem with the security certificate; this is only a precaution for other pages.
Select “Continue”.



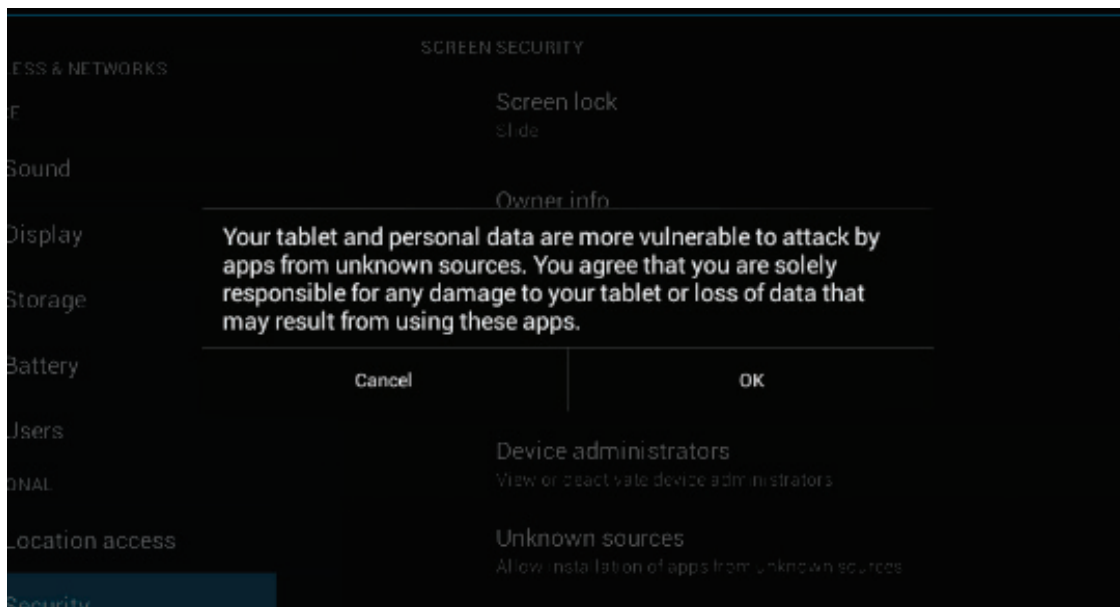
- 7) The new App will begin downloading. When it finishes, at the bottom right corner (where the time is), you will see the new App's icon. Select this icon and you will see the following image:

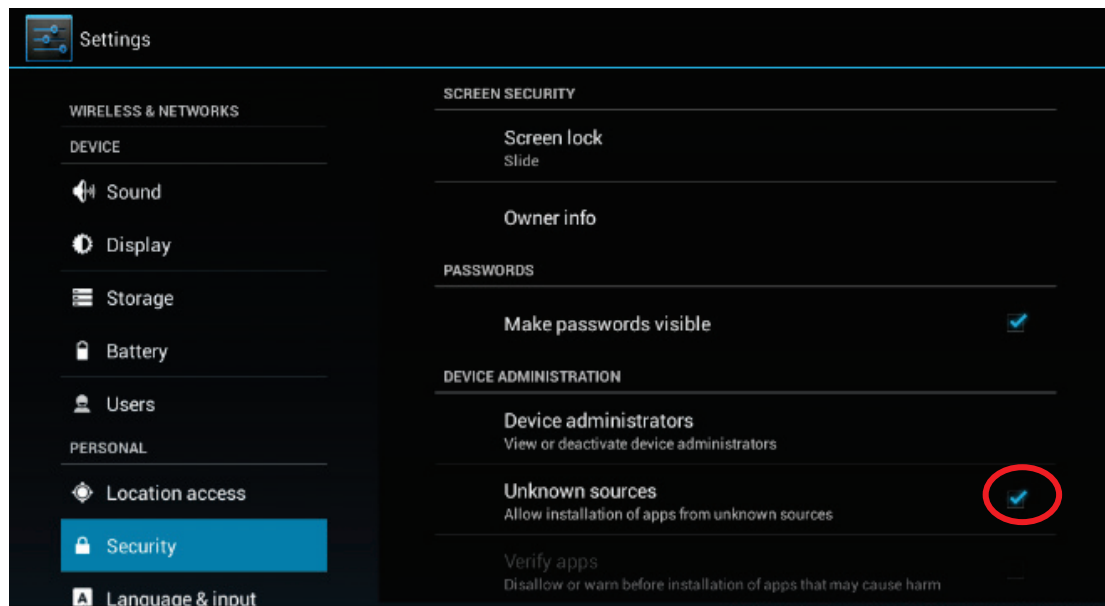


- 8) After selecting download, it will prompt another warning for 'Install Blocked', then select "Settings" to go to the "Settings/Security" section.



- 9) In the "Settings/Security" section, check the "Unknown sources" box, to give permission to install the file. You will be prompted with another warning about vulnerability, select "Ok".

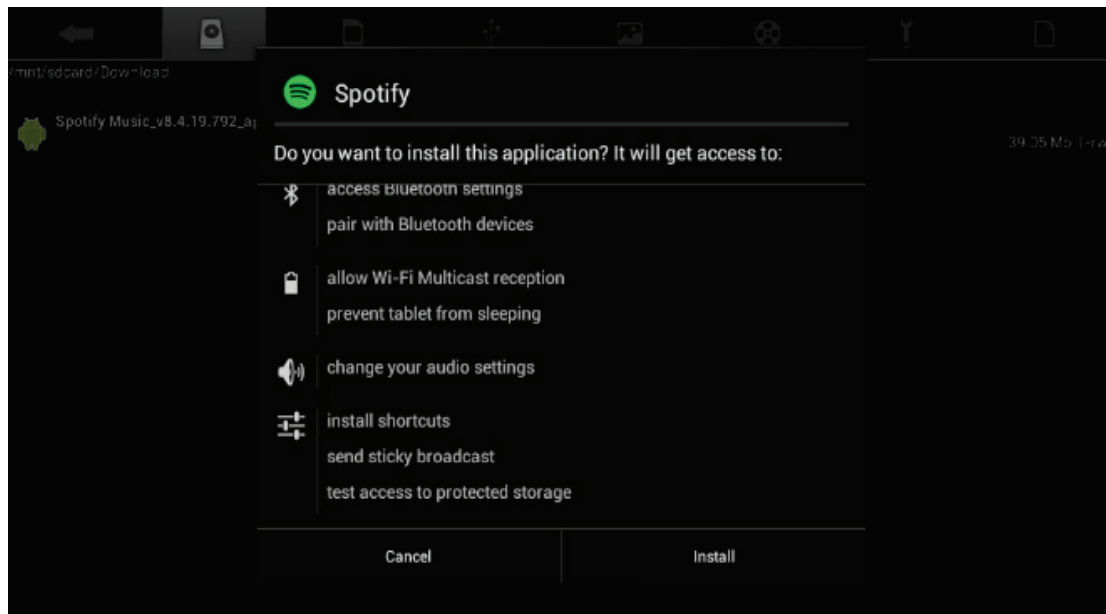




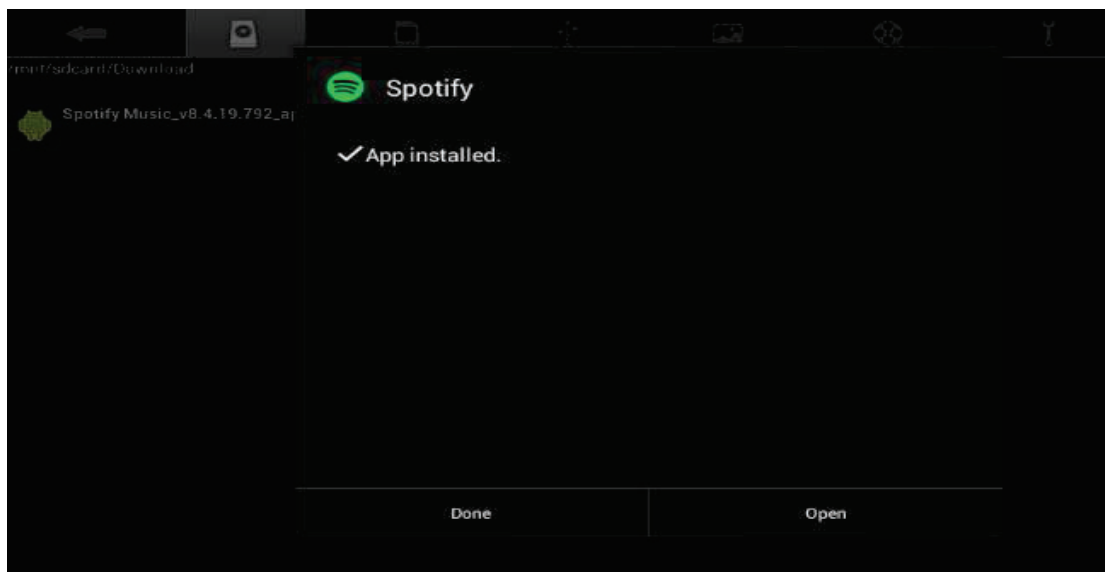
- 10) Go to the “File Manager” Icon in the main Apps section. Then, find the path of the file that was downloaded. Commonly it will be in “/mnt/sdcard/Download”. Here you can find the Spotify Music .apk file. Double click on it and it begins the installation process.



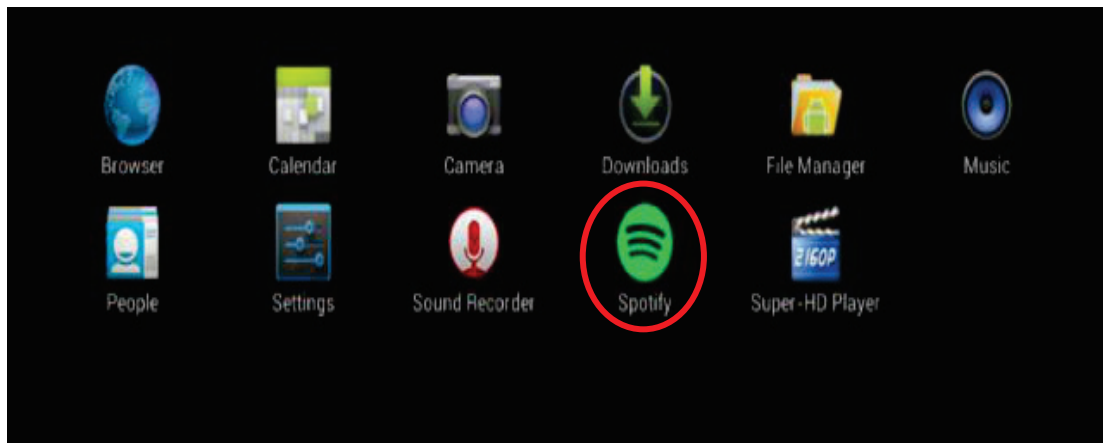
- 11) After locating the “.apk” file, select it, and the installer will begin. Click on Next to continue the installation process.



- 12) After the installation process finishes, you select “Done” to close the window, or Select “Open” to use the app.



13) Also, in the main APP section, you will see the icon of the app that you just installed.

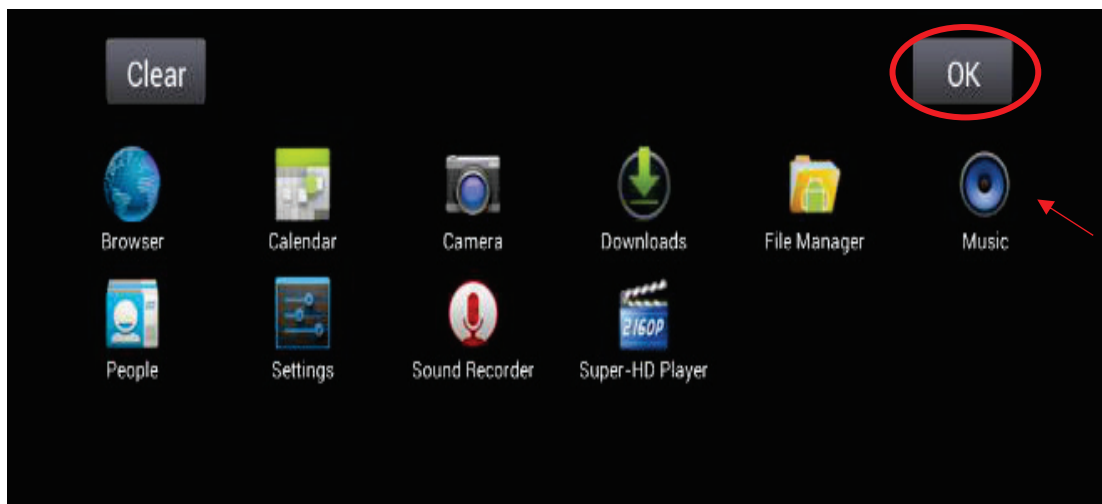


9. CHANGE DEFAULT ICONS ON THE FRONT SCREEN



To change the standard icons provided on the desktop screen, follow this steps:

1. Push and hold the icon you want to remove for 2 seconds, "2" (TWO) times. After the second press you will see this image:

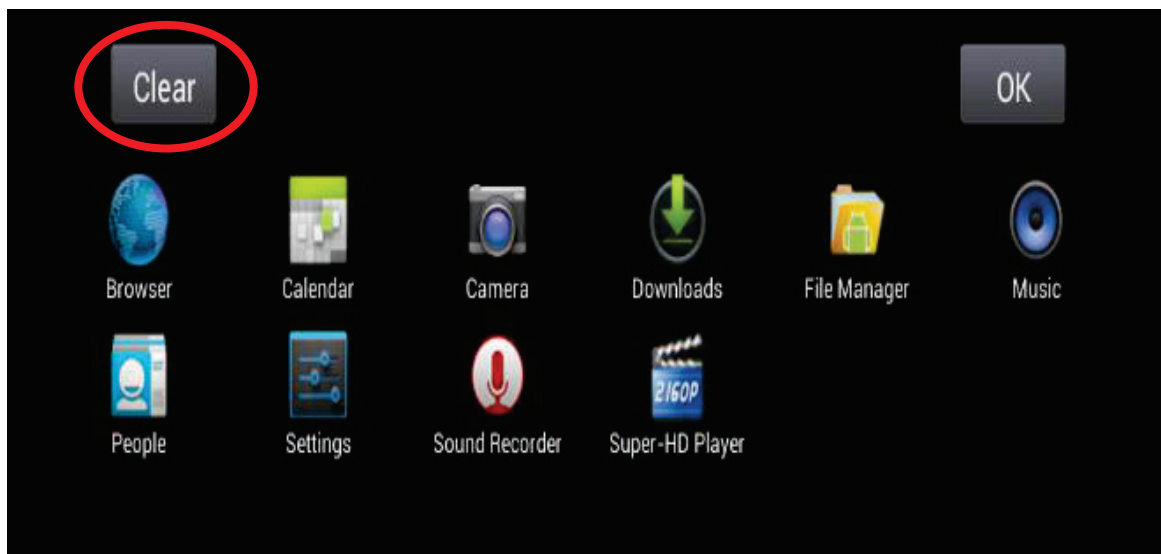


2. Select the icon you want to use, then select “OK”. It will change the icon in the front screen:



9.1 To Return Default Icons

3. Repeat the step 1 on the Custom Icon that is changed, but this time, select “CLEAR” so you will get back the default icon.



In the front screen, you will see the default icon has returned:





Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for one year from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, acts of God, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser when purchased through an authorized reseller. A purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling (714) 424-6500. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.

Channel Vision products are not intended for use in medical, lifesaving, life sustaining or critical environment applications. Channel Vision customers using or selling Channel Vision products for use in such applications do so at their own risk and agree to fully indemnify Channel Vision for any damages resulting from such improper use or sale.

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