Grandstream Networks, Inc.

GXV3275 IP Multimedia Phone for Android^{TM}

Wi-Fi User Guide

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INTRODUCTION

The GXV3275 has integrated Wi-Fi that supports 802.11b/g/n for network flexibility. This User Guide describes how to use the Wi-Fi function to connect the GXV3275 into your local network. To learn more about GXV3275's basic and advanced features, please visit link http://www.grandstream.com/support to download the latest "GXV3275 User Guide" and "GXV3275 Administration Guide".

CONNECT TO WI-FI

Wi-Fi is supported and built-in on the GXV3275. GXV3275 can be connected to network if Wi-Fi is available within the area. By default, Wi-Fi is turned off on the GXV3275. Users can turn on Wi-Fi from web UI, LCD settings->system settings or provisioning.

TURN ON/OFF WI-FI

- **To turn on/off Wi-Fi from status bar**

1. On the top of the LCD screen, slide down the status bar.
2. Select **System Settings**.

3. Tap on the Wi-Fi icon 🛜 to turn it on/off.
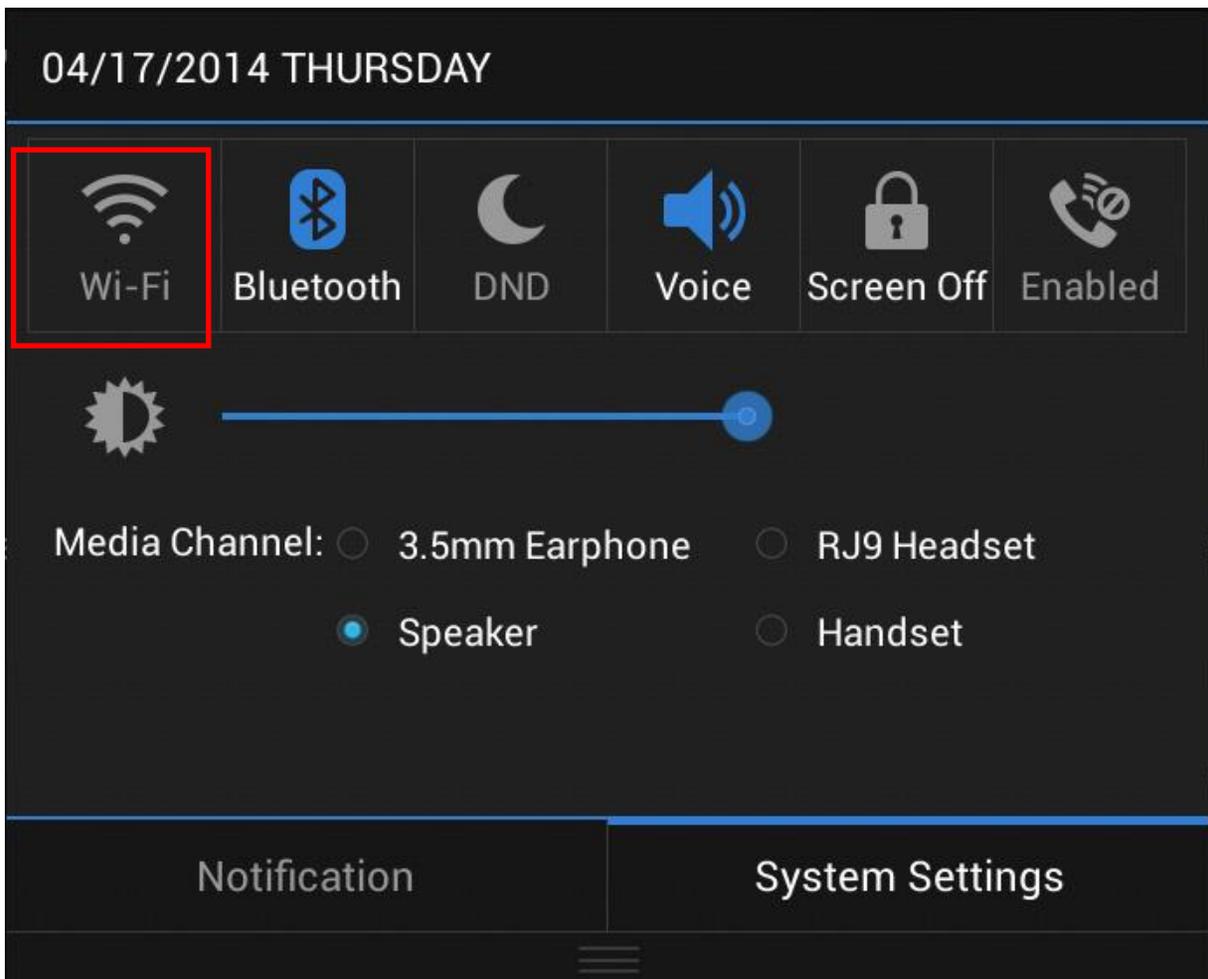
Figure 1: Turn On/Off Wi-Fi from Status Bar

- **To turn on/off Wi-Fi from system settings**

1. On the GXV3275 idle screen, tap on the onscreen **Menu** icon ⊞ on the bottom of the LCD to bring up the LCD menu.

2. Tap on **Settings** ⚙.

3. Tap on **Wireless & Network**.

4. Tap on **Wi-Fi** turn it on/off.
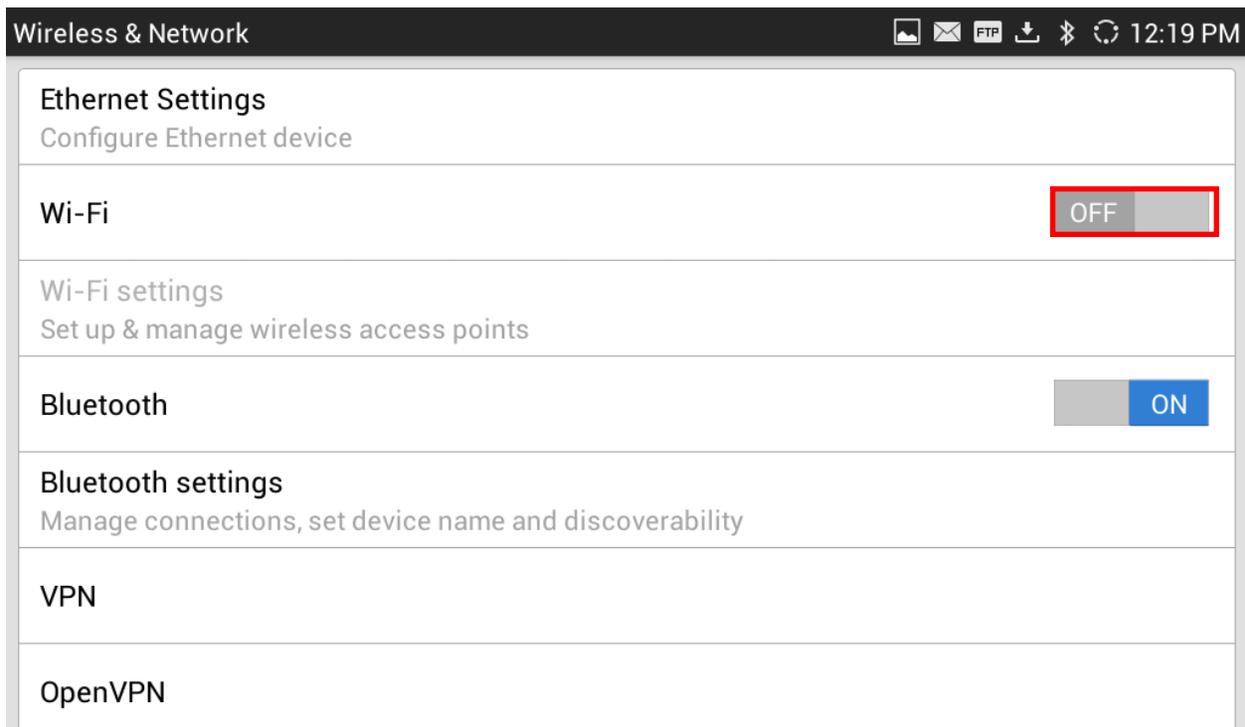
Figure 2: Turn On/Off Wi-Fi from Settings

- **To turn on/off Wi-Fi from web UI**

1. Log in the GXV3275 web UI.
2. Go to Maintenance->Wi-Fi Settings: Wi-Fi Basics.
3. Click on "Enable" or "Disable" for "Wi-Fi Function".

Figure 3: Turn On/Off Wi-Fi from Web UI

ADD WI-FI NETWORKS

- **Add Wi-Fi networks from LCD**

1. Once Wi-Fi is turned on, GXV3275 will automatically start the scanning within the range.

2. On GXV3275 idle screen, tap on the onscreen **MENU** icon ⊞ on the bottom of the LCD.

3. Tap on **Settings** ⚙.

4. Tap on **Wireless & Network**.

5. Tap on **Wi-Fi Settings**.

Wi-Fi settings   ⊡ ✉ FTP ⬇ ✳ 🗺 12:21 PM

LA_Lab
Saved, secured with WPA2   📶

AdminIT
Secured with WPA/WPA2   📶

LA_Guest
Secured with WPA2 (WPS available)   📶
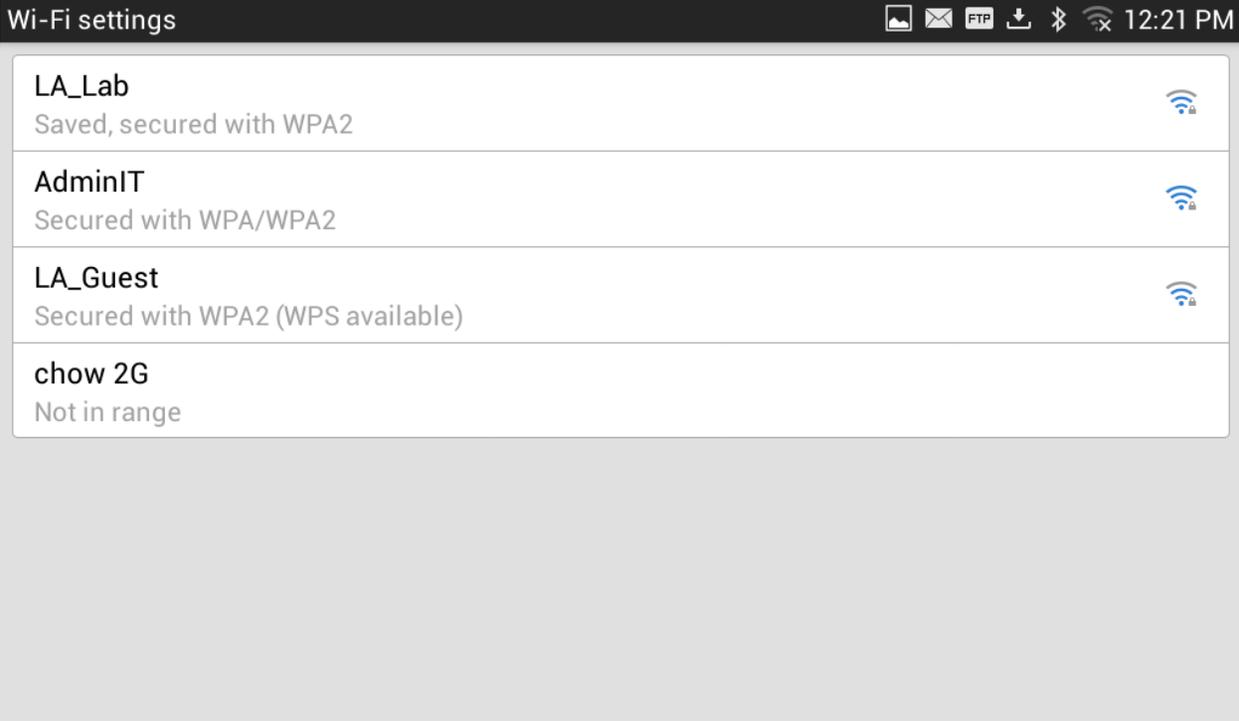
chow 2G
Not in range

Figure 4: GXV3275 Wi-Fi Settings

6. A list of Wi-Fi networks will be displayed as scanning result. Tap on the SSID and enter the correct password information to connect to the selected Wi-Fi network.
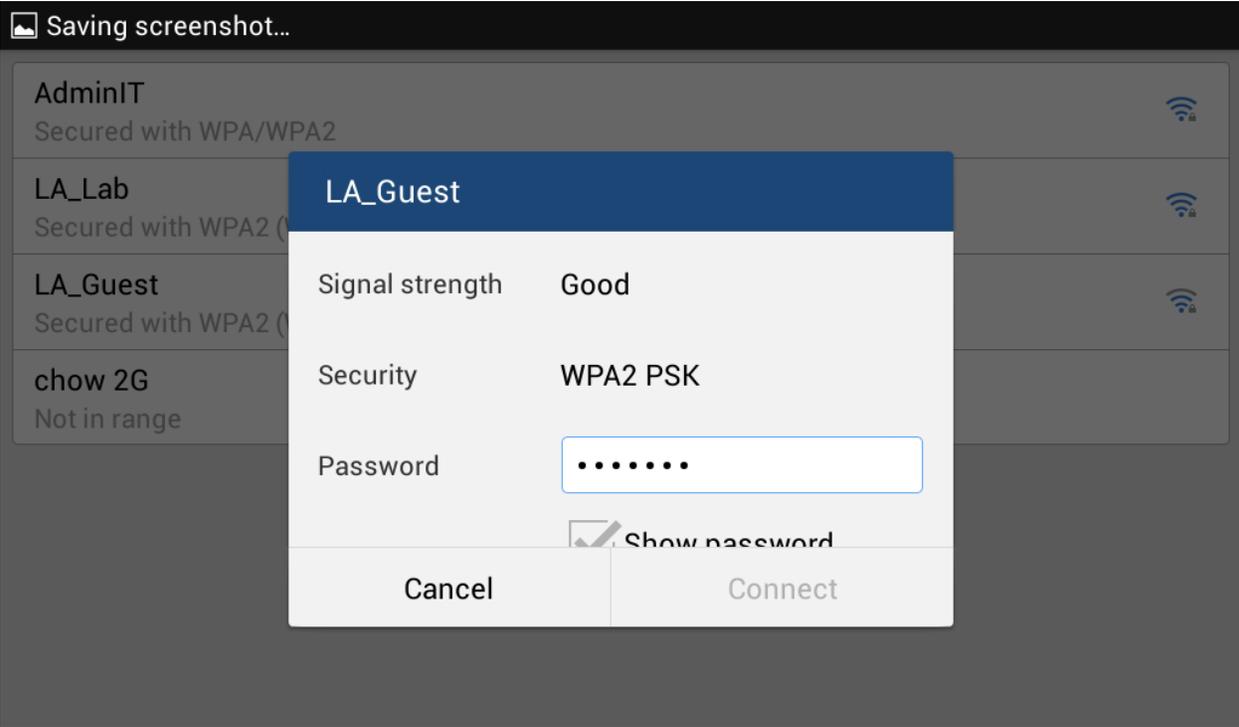
⊡ Saving screenshot...

AdminIT
Secured with WPA/WPA2   📶

LA_Lab
Secured with WPA2 (📶

┌───┐
│ **LA_Guest**   │
│   │
│ Signal strength   Good   │
│   │
│ Security   WPA2 PSK   │
│   │
│ Password   ••••••   │
│   │
│   ☑ Show password   │
│   │
│   Cancel   Connect   │
└───┘

LA_Guest
Secured with WPA2 (📶

chow 2G
Not in range

Figure 5: GXV3275 Connect to Wi-Fi

7. The phone will start connecting to the Wi-Fi. The status bar will show Wi-Fi signal strength.
8. Once authenticated, the phone will obtain IP address via DHCP and connect to the Wi-Fi network.
9. After successfully connected, the password will be remembered. When the GXV3275 has Wi-Fi turned on in the future, it will connect to this network automatically if the SSID is within the range.

- **Add Wi-Fi networks from web UI**

1. Log in the GXV3275 web UI.
2. Go to Maintenance->Wi-Fi Settings. Click on "Enable" for "Wi-Fi Function".
3. Click on "Scan" to start searching for the Wi-Fi networks within the area. A list of available ESSIDs will be displayed.
4. Select the ESSID and click on "Select". The ESSID will be filled into the "ESSID" field under "Wi-Fi security".
5. Enter the password for the ESSID.
6. Save the change.
7. The phone will start connecting to the Wi-Fi network. Please check the phone's LCD.
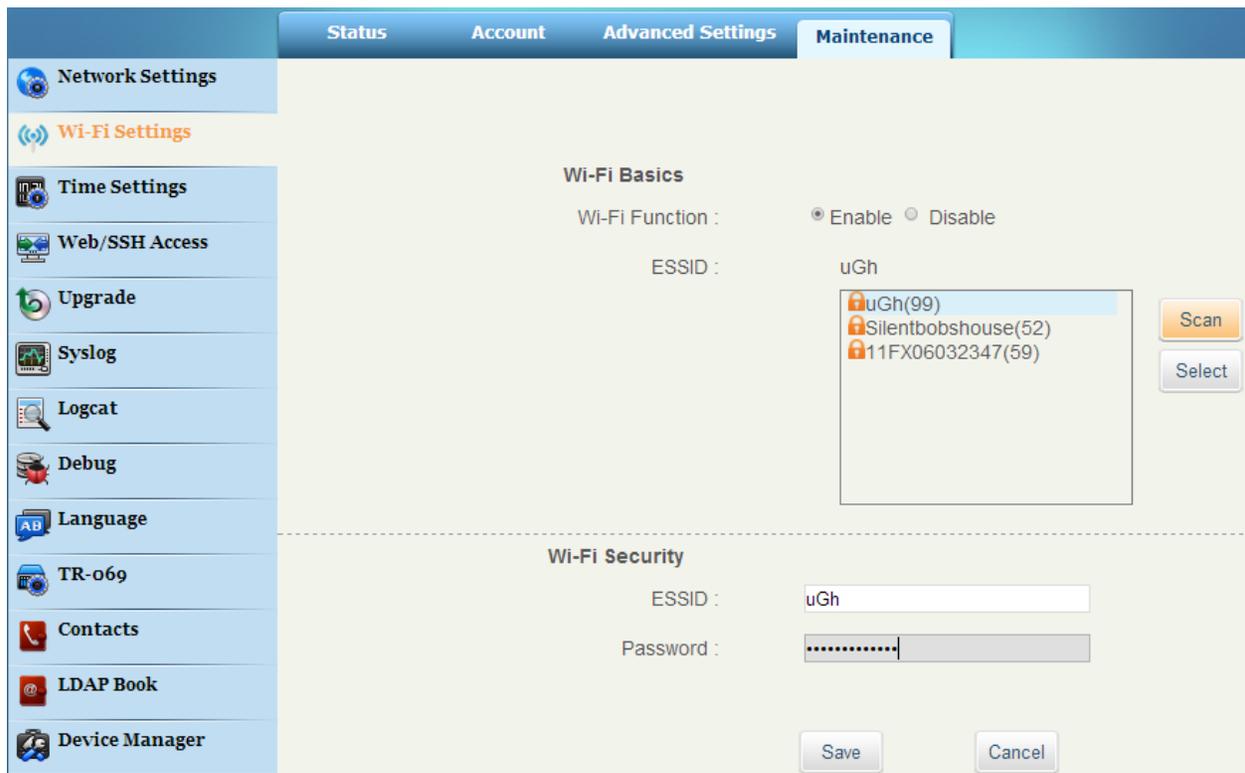

Figure 6: GXV3275 Connect to Wi-Fi via Web UI

CONFIGURING WI-FI FROM PROVISIONING

Users could configure the P value in the config file to provision the phone to connect to Wi-Fi network. The following are the P values for Wi-Fi configuration.

Option	P Value	Example
Wi-Fi Function	P7800	P7800=0　　　 - for "Enable" or P7800=1　　　 - for "Disable" (default value)
ESSID	P7812	P7812=OfficeWiFi1
Password	P7830	P7830=officewifinetwork This is the WEP default key. The maximum length allowed is 64 characters.

For more details about the GXV3275 configuration template and provisioning, please refer to the configuration tool, templates and documentation in the following link:
http://www.grandstream.com/support/resources/?title=GXV3275.

WI-FI SETTINGS

ACCESS WI-FI SETTINGS

1. When the GXV3275 is on idle screen, tap on the onscreen **MENU** icon on the bottom of the LCD.

2. Tap on **Settings** .

3. Tap on **Wireless & Networks**.

4. Tap on **Wi-Fi Settings**. A list of available Wi-Fi network within the range will be displayed in "**Wi-Fi Settings**" menu. Users can set up to connect to Wi-Fi network and configure advanced settings for Wi-Fi connections here.
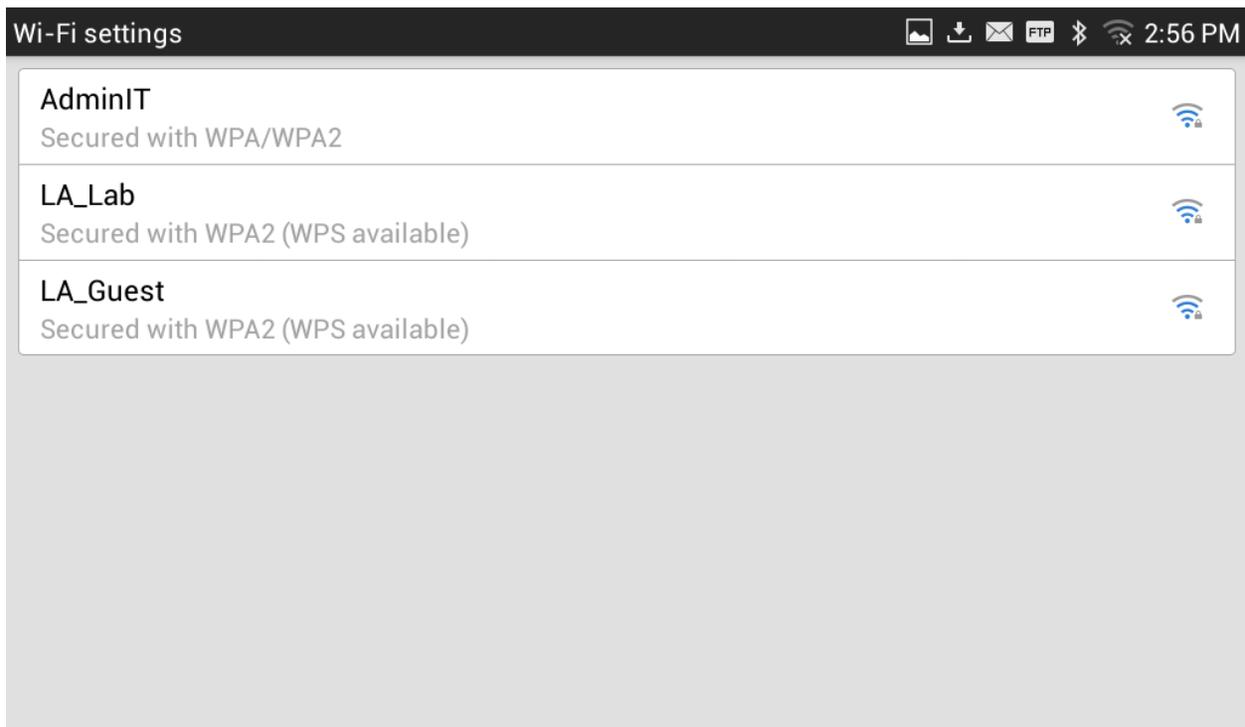

Figure 7: GXV3275 Available Wi-Fi Network List

⚠ **Note:**

"**Wi-Fi Settings**" is available only when Wi-Fi is turned on.

SCAN

Under "**Wi-Fi Settings**" menu, tap on **MENU** button ☰ and select "**Scan**" to initate scan for the Wi-Fi networks within the range. The available Wi-Fi networks will be updated and displayed there.
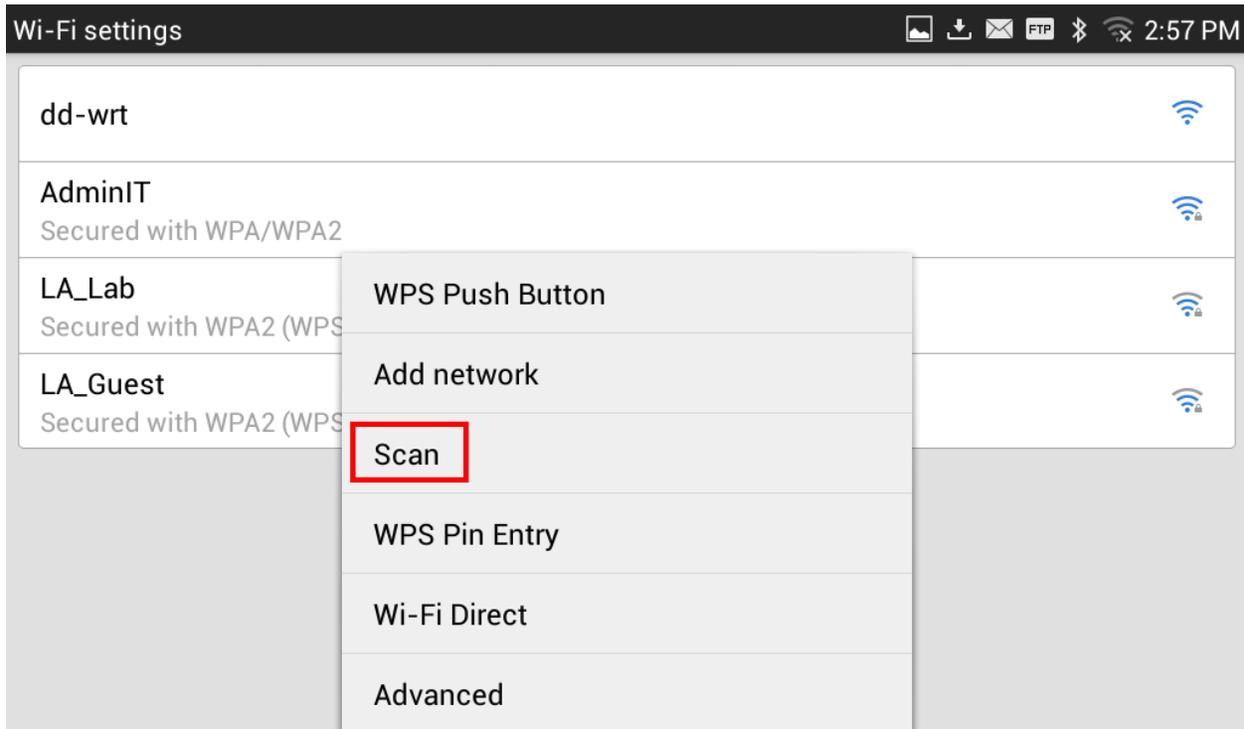

Figure 8: GXV3275 Wi-Fi Settings: Scan

ADD WI-FI NETWORK MANUALLY

If the Wi-Fi network SSID doesn't show up in the scan list, or users would like to set up advanced options for the Wi-Fi network, users could add the Wi-Fi network manually under "**Wi-Fi Settings**".

1. When the GXV3275 is on idle screen, tap on the onscreen **MENU** icon ⊞ on the bottom of the LCD.

2. Select **Settings** ⚙.

3. Select **Wireless & Networks**.

4. Tap on **Wi-Fi Settings**.

5. On the **Wi-Fi Settings** screen, tap on **MENU** button ☰ and select "**Add Network**".

6. In the prompt dialog, enter SSID, security type, password and set up address type (DHCP/Static IP/PPPoE).

7. Tap on "Save" to save the settings.

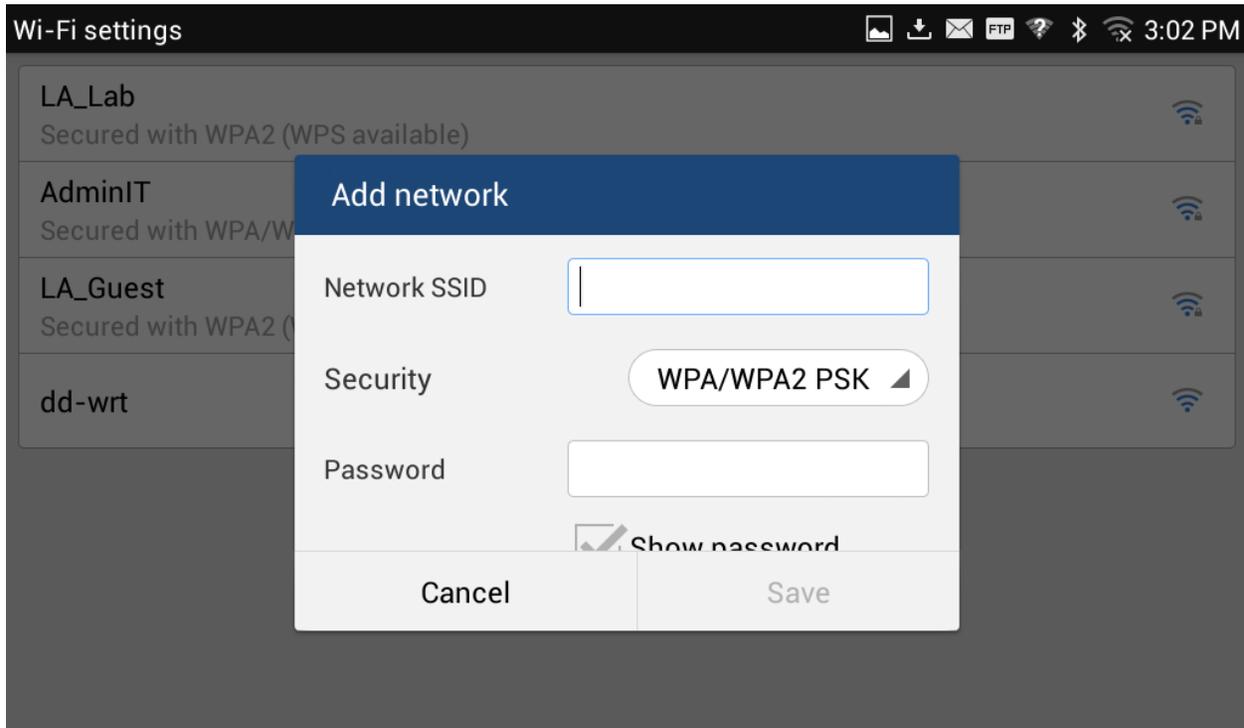8. The phone will reboot with Wi-Fi network connected.

Figure 9: GXV3275 Add Wi-Fi Network Manually

WPS PUSH BUTTON

WiFi Protected Setup (WPS) is a network security standard that allows users to easily secure a wireless home network. WPS was introduced to relieve and remove all of the guesswork of securing a wireless netwrok by typing a short PIN or pushing a button. On a new network, WPS will automatically configure a wireless network with a network name (SSID) and strong WPS data encryption and authentication.

Under "**Wi-Fi Settings**" menu, tap on **MENU** button ☰ and select "**WPS Push Button**" for an easy and secure Wi-Fi network setup.

1. When the GXV3275 is on idle screen, tap on the onscreen **MENU** icon ⊞ on the bottom of the LCD.

2. Tap on **Settings** ⚙.

3. Tap on **Wireless & Networks**.

4. Tap on **Wi-Fi Settings**. In this page, users would view the available WiFi networks nearby. If the WiFi network support WPS feature, it would show in display **WPS available** with SSID.
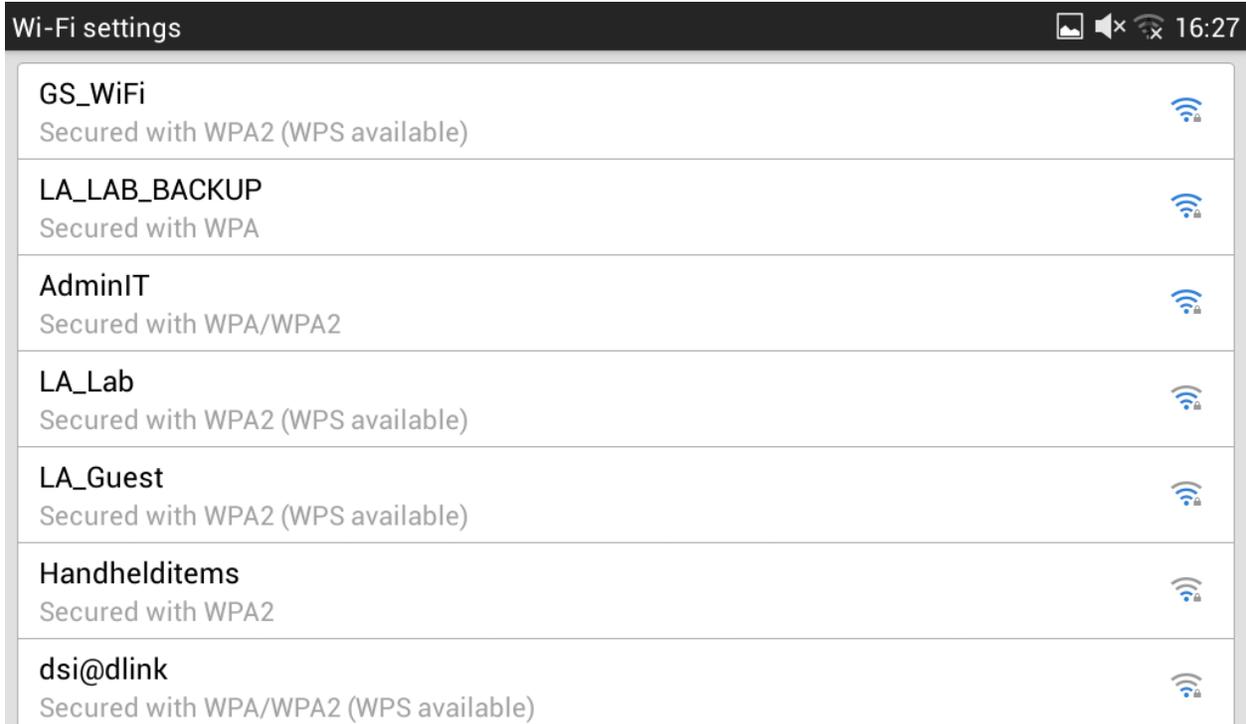
Figure 10: GXV3275 WPS available network

5. On the **Wi-Fi Settings** screen, tap on **MENU** button ☰ and select " **WPS Push Button**".
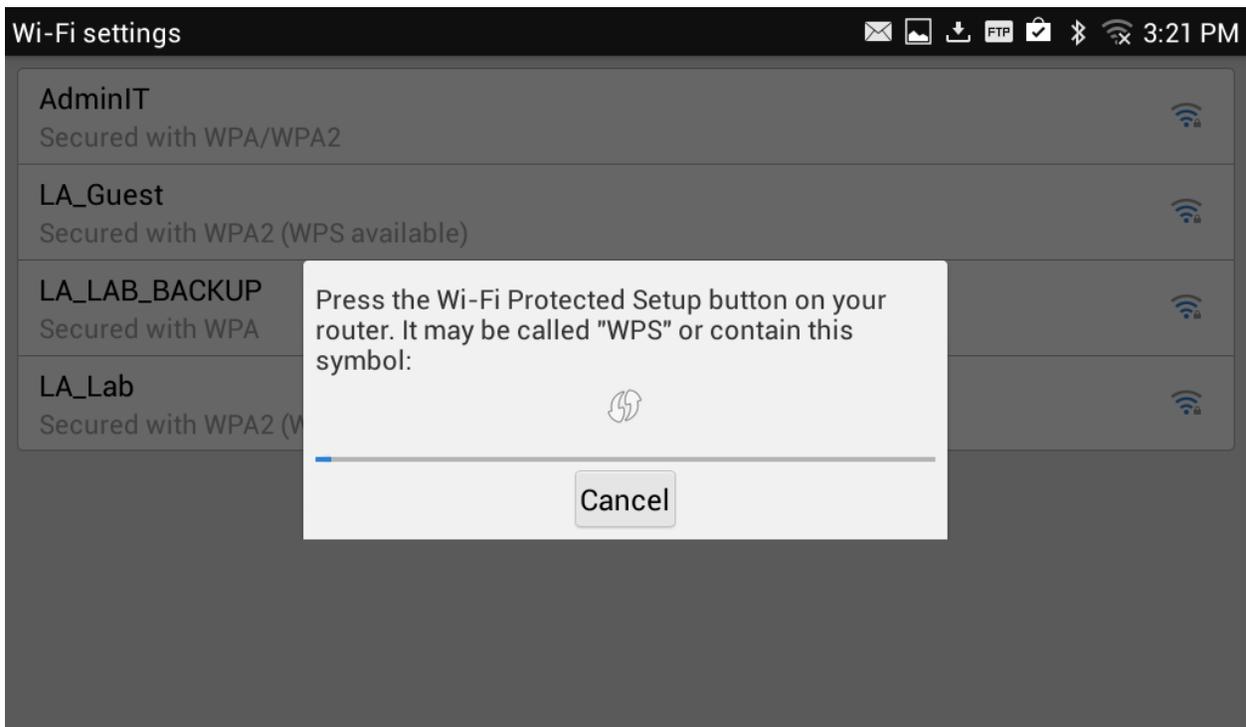

Figure 11: GXV3275 Wi-Fi WPS Push Button

6. Check your router and press the Wi-Fi Protected Setup (WPS) button on the router to make a connection automatically. The phone will display the connection to a network.
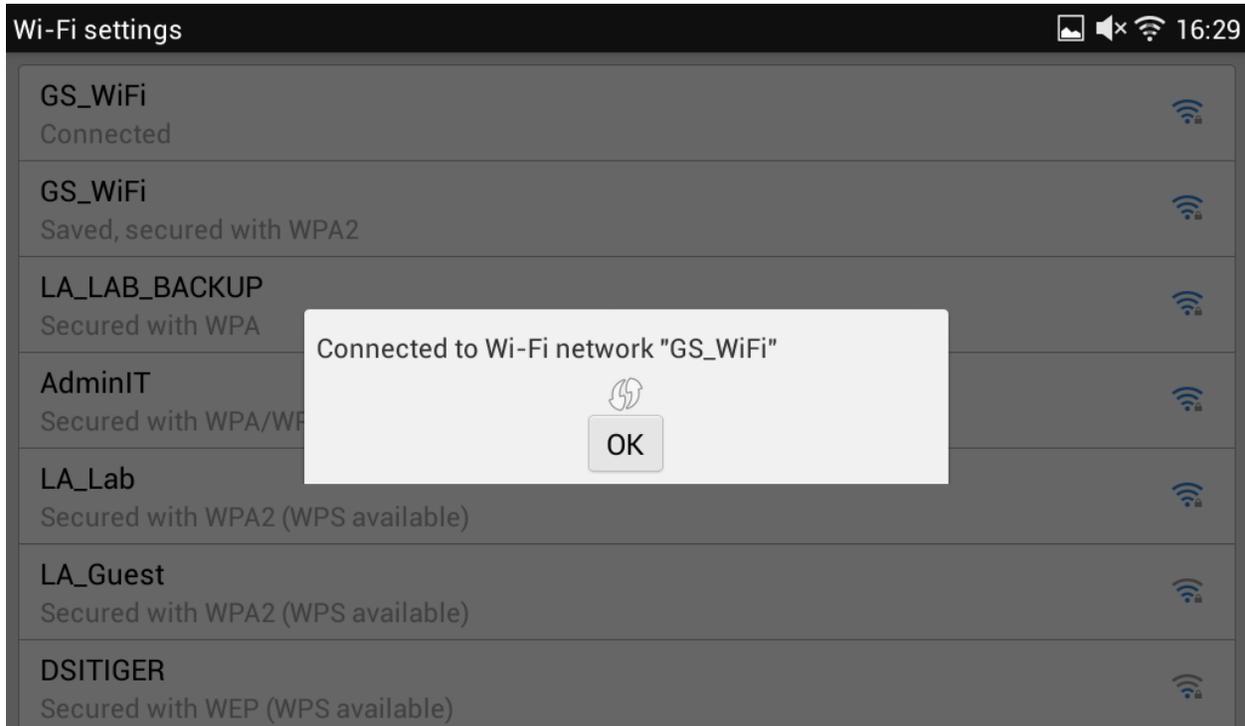

Figure 12: GXV3275 Connect to a WPS Network

WPS PIN ENTRY

Under "**Wi-Fi Settings**" menu, tap on **MENU** button ☰ and select "**WPS Pin Entry**" for an easy and secure Wi-Fi network setup.

1. When the GXV3275 is on idle screen, tap on the onscreen **MENU** icon ⊞ on the bottom of the LCD.

2. Select **Settings** ⚙.
3. Select **Wireless & Networks**.
4. Tap on **Wi-Fi Settings**.
5. On the **Wi-Fi Settings** screen, tap on **MENU** button ☰ and select " **WPS Pin Entry**".
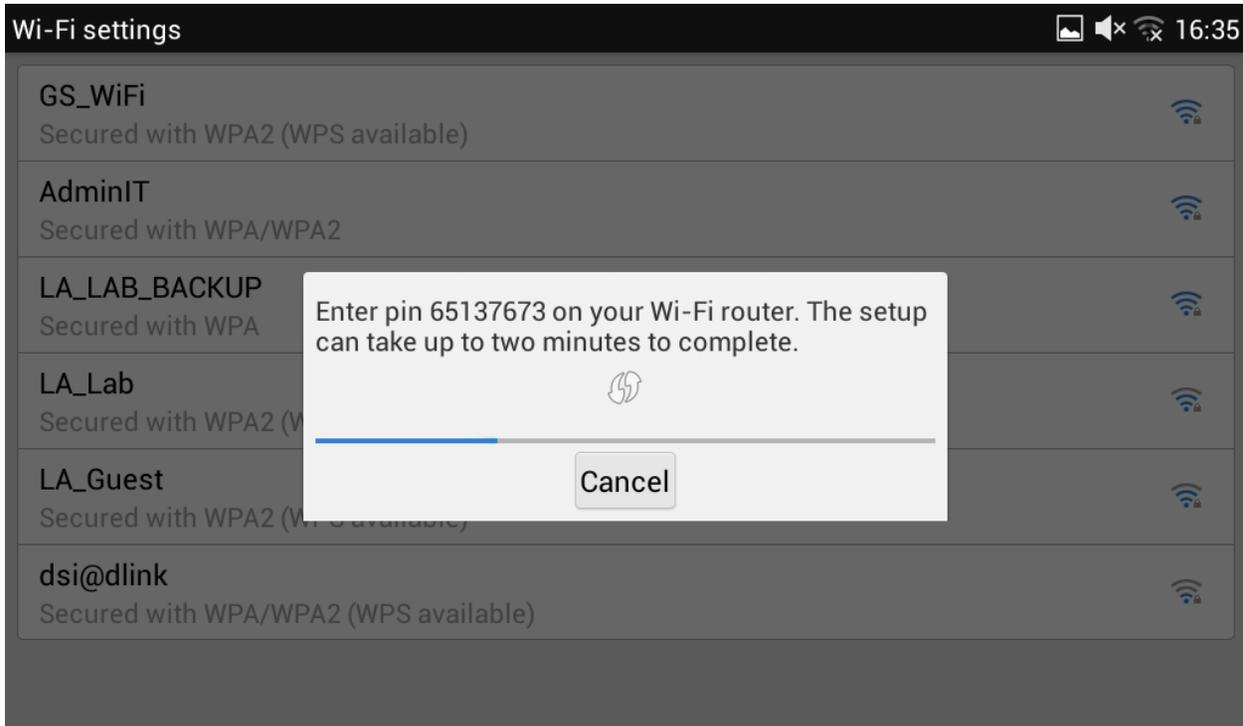6. A randomly generated PIN number will by displayed on the phone.

Figure 13: GXV3275 Wi-Fi WPS Pin Entry

7. Users must typt the PIN numbers to the router and make a connection. After for a while, the phone will display the connection to a network.
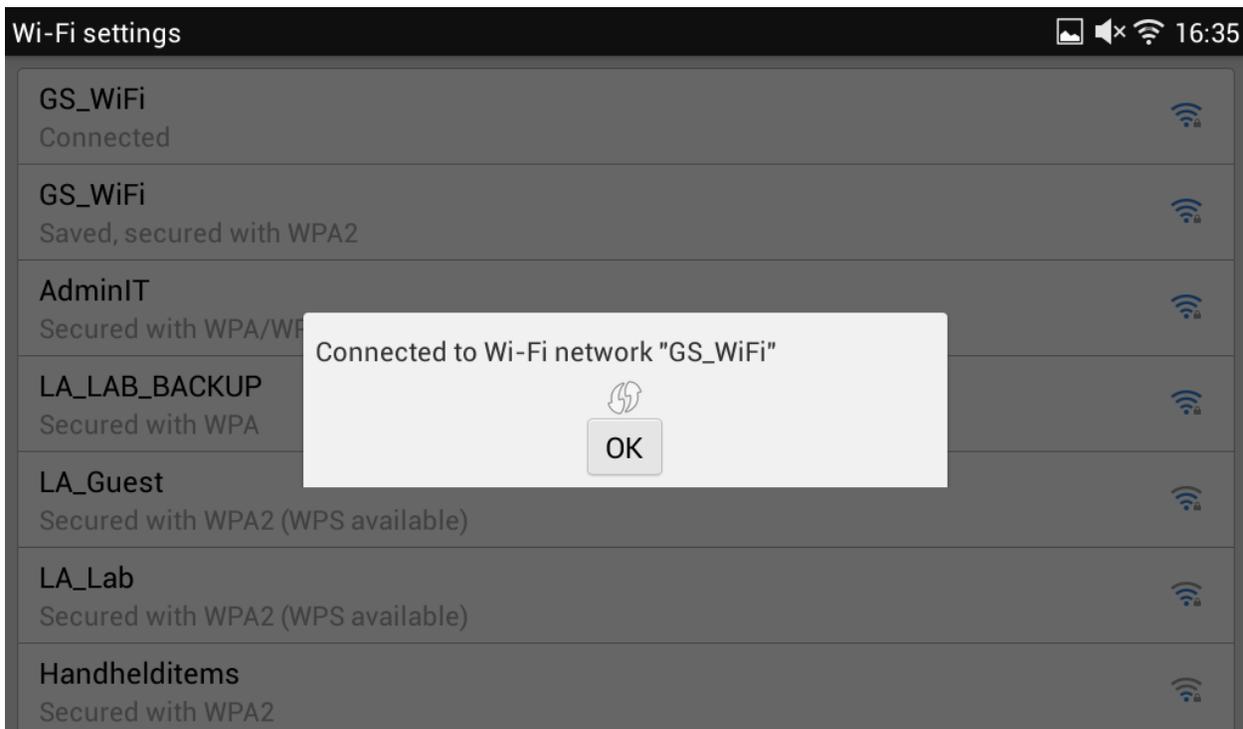

Figure 14: GXV3275 Connected to a Wi-Fi WPS Pin Entry Network

WI-FI DIRECT

Wi-Fi Direct, initially called Wi-Fi P2P, is a Wi-Fi standard that enables devices to connect easily with each other without requiring a wireless access point and to communicate at typical Wi-Fi speeds for everything from file transfer to Internet connectivity. It can reach up to 250 Mbps of data transferring rate.

Under "**Wi-Fi Settings**" menu, tap on **MENU** button ≡ and select "**Wi-Fi Direct**". This can be used to set up peer-to-peer connection between two Wi-Fi Direct devices. To share data and sync files using Wi-Fi Direct, users must download and install sharing applications (3rd party application) to send/receive files.

To use Wi-Fi Direct:

1. When the GXV3275 is on idle screen, tap on the onscreen **MENU** icon ⊞ on the bottom of the LCD.

2. Select **Settings** ⚙.

3. Select **Wireless & Networks**.
4. Tap on **Wi-Fi Settings**.
5. On the **Wi-Fi Settings** screen, tap on **MENU** button ≡ and select " **Wi-Fi Direct**".
6. On the Wi-Fi direct screen, tap on **MENU** button ≡ and select "**Searching for devices**".
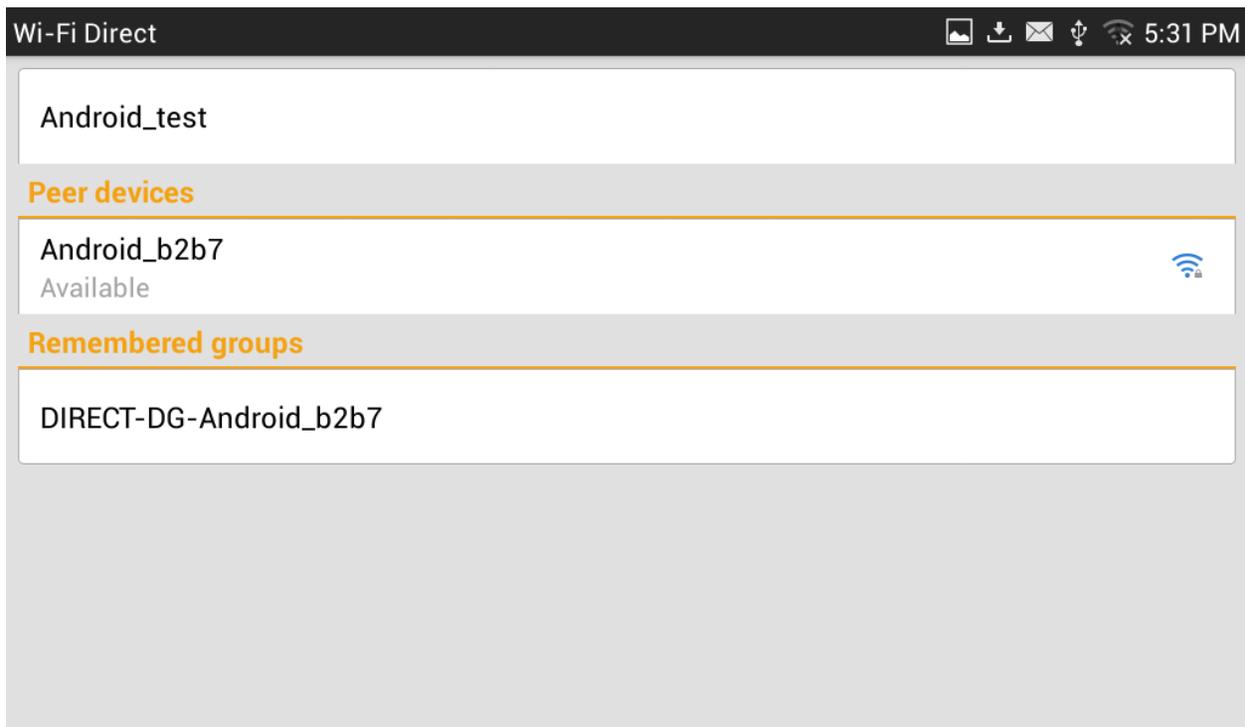7. Tap on the available peer device to initiate connection.

Figure 15: GXV3275 Wi-Fi Direct: Search Available Device

8. After connecting to the peer device, the status of the peer device will be changed to "Connected".
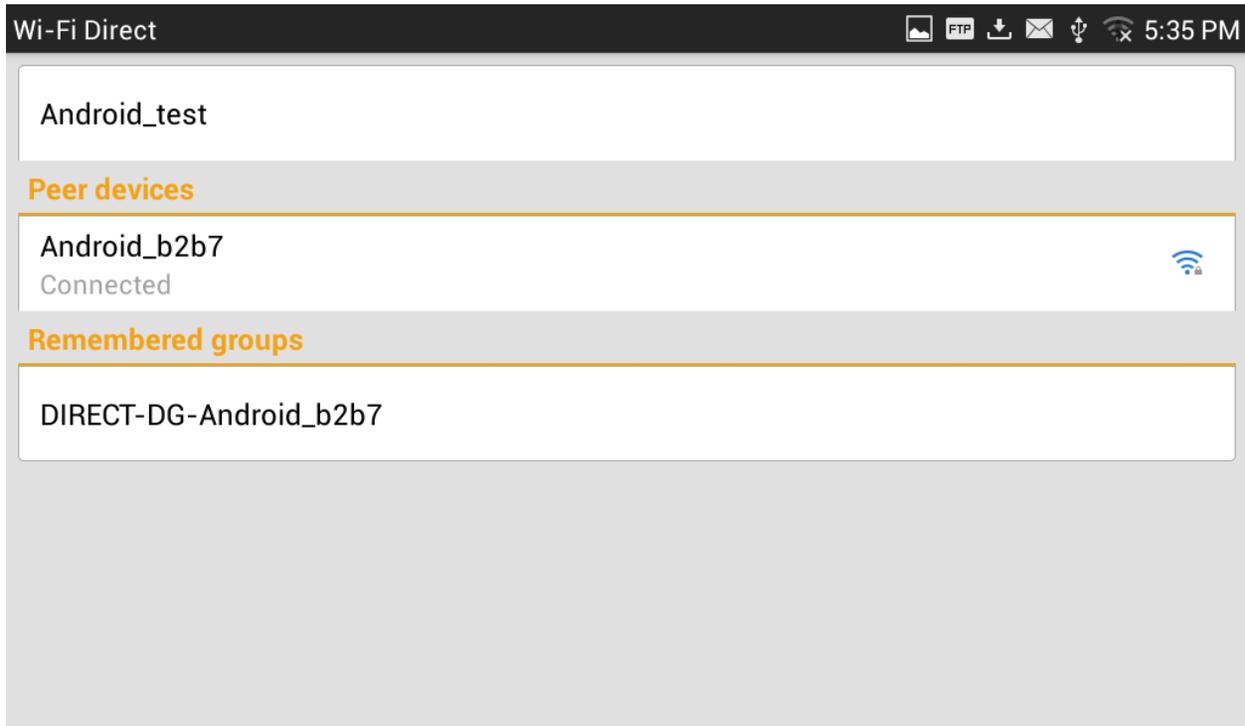

Figure 16: GXV3275 Wi-Fi Direct: Connected

ADVANCED SETTINGS

Under "**Wi-Fi Settings**" menu, tap on **MENU** button ☰ and select "**Advanced**". Users will see the following advanced settings related to Wi-Fi connections.
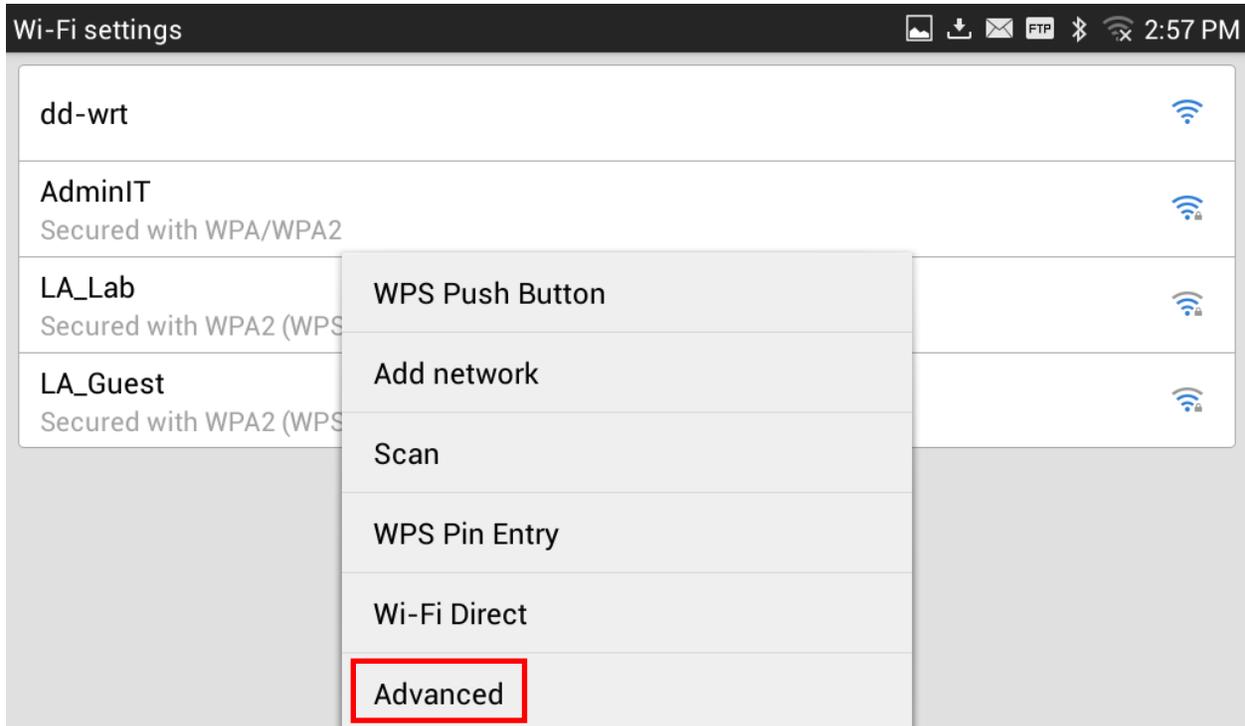
Figure 17: GXV3275 Wi-Fi Settings: Advanced

- **Network Notification**.
  If enabled, the phone will show notification on the top status bar indicating an open network is available. By default it's enabled.

- **Avoid Poor Connections**.
  If enabled, Wi-Fi network won't be used unless the connection is good. By default it's disabled.

- **MAC address**.
  This shows the MAC address of the phone.

- **IP address**
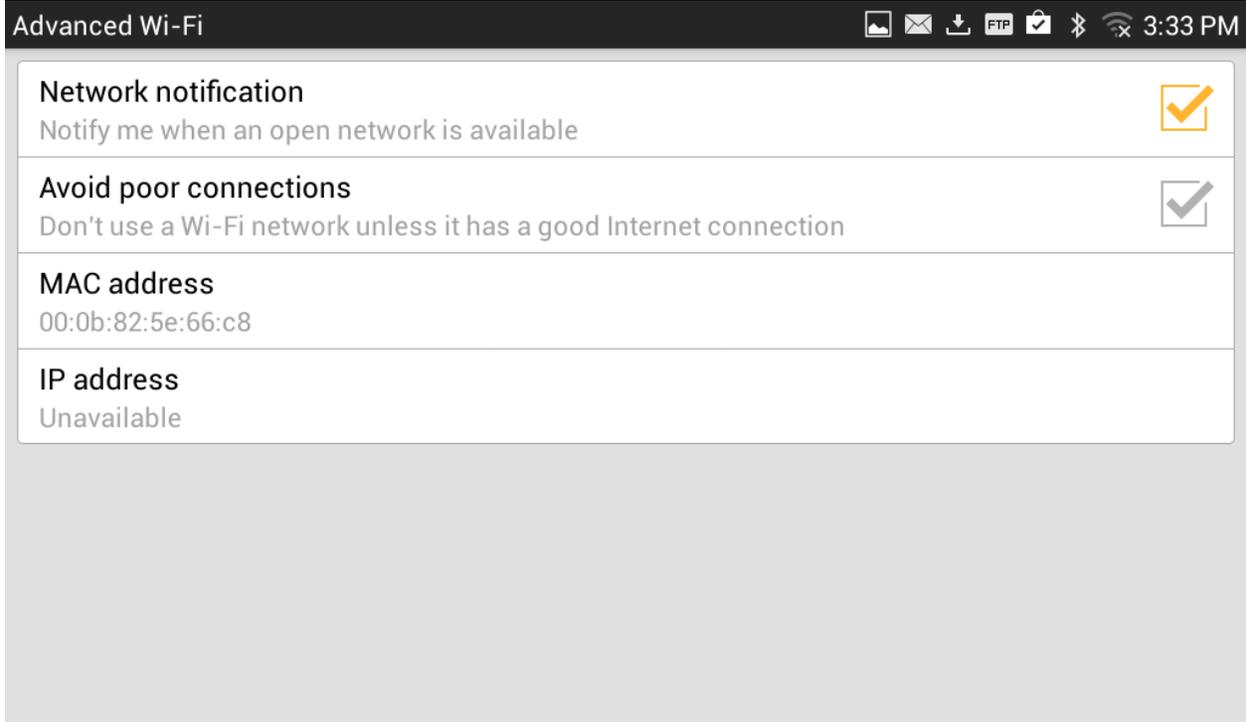 This shows the IP address of the phone from Wi-Fi network.

Figure 18: GXV3275 Wi-Fi Advanced Settings

PORTABLE HOTSPOT

The GXV3275 can be served as a Wi-Fi access point for other devices to connect to wireless network if hotspot is turned on.

1. On the GXV3275 idle screen, tap on the onscreen **MENU** icon on the bottom of the LCD.

2. Select "**Settings**" .

3. Select "**Wireless & Network**".

4. In the menu, tap on "**Portable Wi-Fi hotspot**" to select it.

5. Turn on hotpot by tapping on the checkbox of "**Portable Wi-Fi hotspot**". Icon will show on the top status bar of the GXV3275.

6. Tap on "**Set up Wi-Fi hotspot**" to configure network SSID, security type and password. Please make sure the password has at least 8 characters. Otherwise, users won't be able to save the setting.

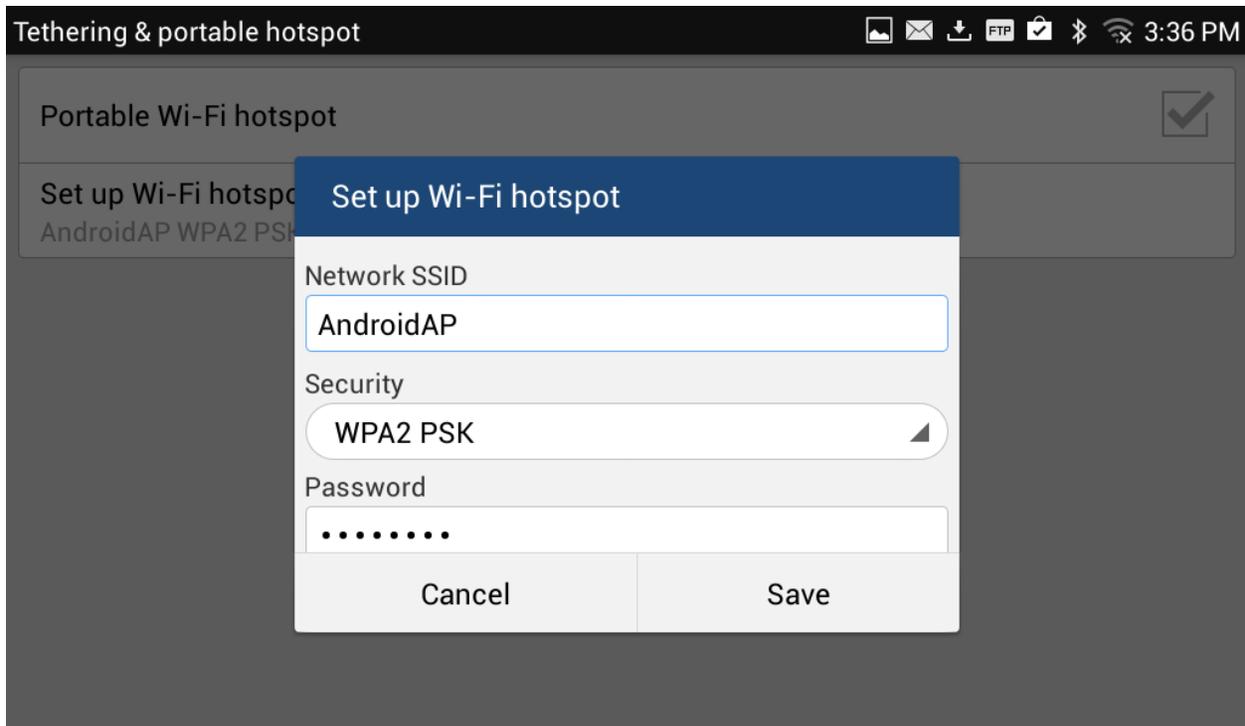7. On the other device that needs Wi-Fi access, turn on Wi-Fi, look for the SSID of the GXV3275 hotspot and type authentication information to get connection.

Figure 19: GXV3275 Wi-Fi Hotspot