Grandstream Networks, Inc.

GXV3370/GXV3380/GXV3350

IP Video Phones for Android™

Wi-Fi Guide

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INTRODUCTION

The GXV3370/GXV3350/GXV3380 have integrated Dual-Band (2.4GHz & 5GHz) Wi-Fi that supports 802.11a/b/g/n, and 802.11a/b/g/n/ac (GXV3380 only) for network flexibility. This User Guide describes how to use the Wi-Fi function to connect the GXV33XX into your local network. To learn more about GXV33XX's basic and advanced features. Please visit http://www.grandstream.com/support to download the latest "GXV33XX User Guide" and "GXV33XX Administration Guide".

CONNECT TO WI-FI

Wi-Fi is supported and built-in on all GXV33XX models. GXV3370/GXV3350/GXV3380 can be connected to network if Wi-Fi is available within the area. By default, Wi-Fi is turned off on the GXV33XX. 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. Tap on the Wi-Fi icon to turn it On/Off.

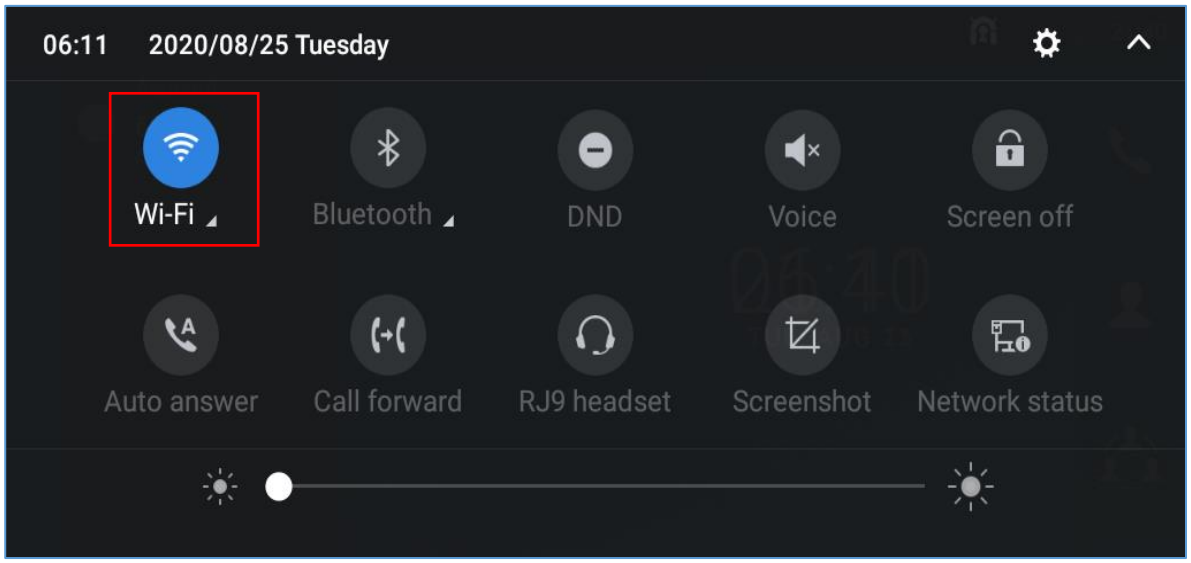

Figure 1: Turn On/Off Wi-Fi from Status Bar

- **To turn on/off Wi-Fi from System Settings**

1. On the LCD Menu, Select **Settings** .
2. Select **Wi-Fi**
3. Tap on **Wi-Fi** to turn it on/off.

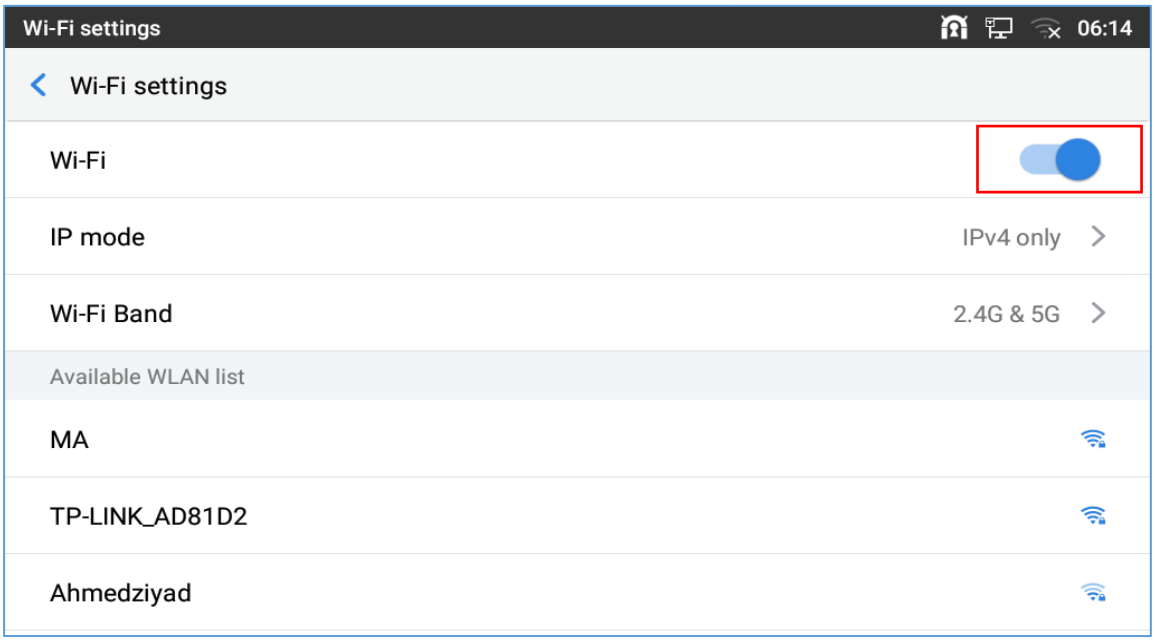

Figure 2: Turn On/Off Wi-Fi From Settings

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

1. Log in the GXV33XX web UI.
2. Go to Network Settings →Wi-Fi Settings: Wi-Fi Basics.
3. Click on to enable or disable “Wi-Fi Function".

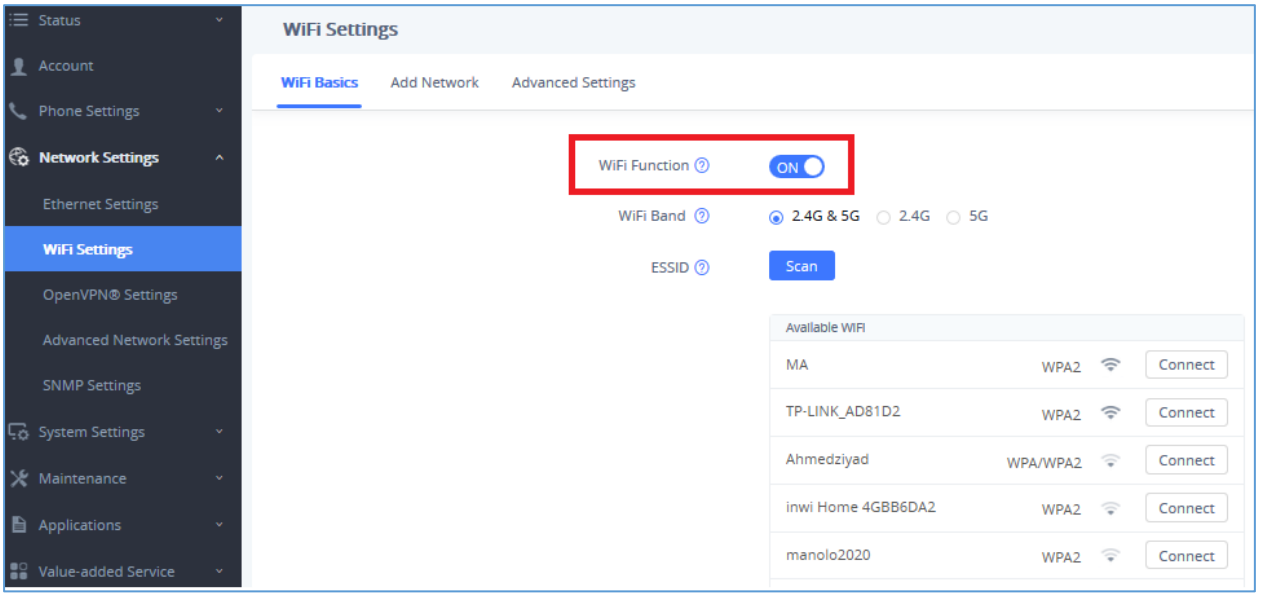

Figure 3: Turn On/Off Wi-Fi From Web UI

Connect to Wi-Fi Networks

- **Connect to Wi-Fi networks from LCD**

1. Once Wi-Fi is turned on, GXV33XX will automatically start the scanning within the range.
2. On GXV33XX LCD Menu, Select **Settings** .
3. Select **Wi-Fi**
4. A list of nearby available Wi-Fi SSIDs will be displayed under "**Available WLAN list**"

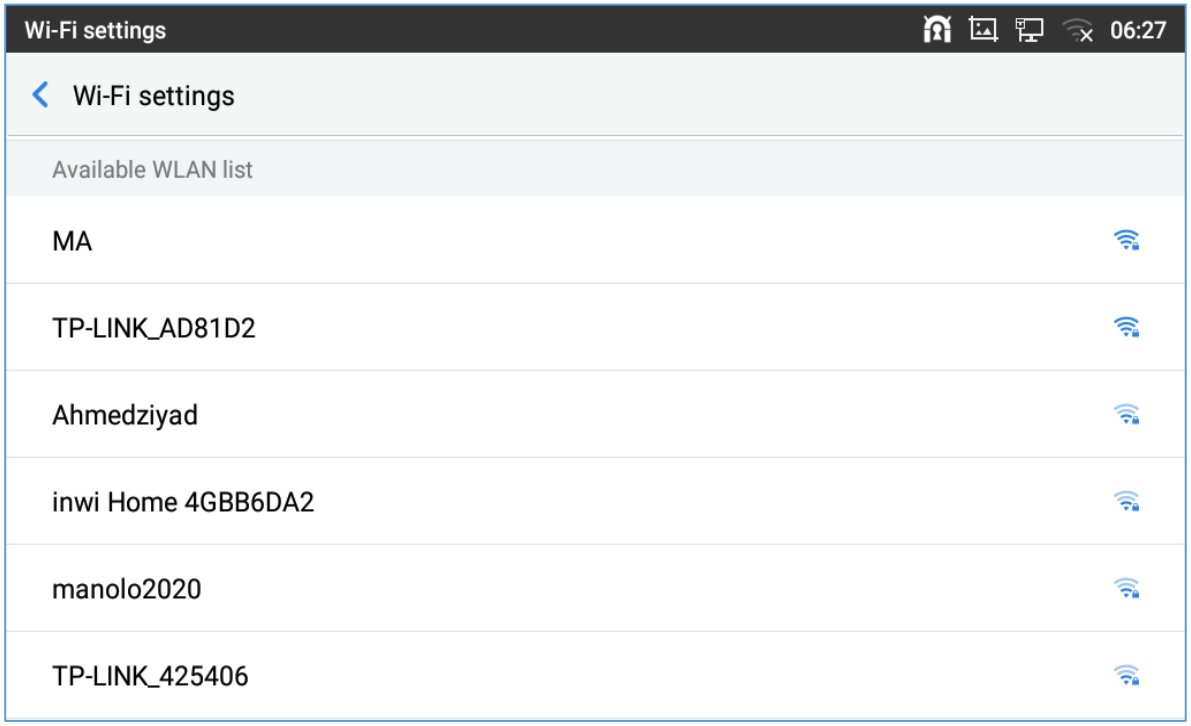

Figure 4: GXV33XX Wi-Fi Settings

5. 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. See ***[Figure 5: GXV33XX Connect to Wi-Fi]***.

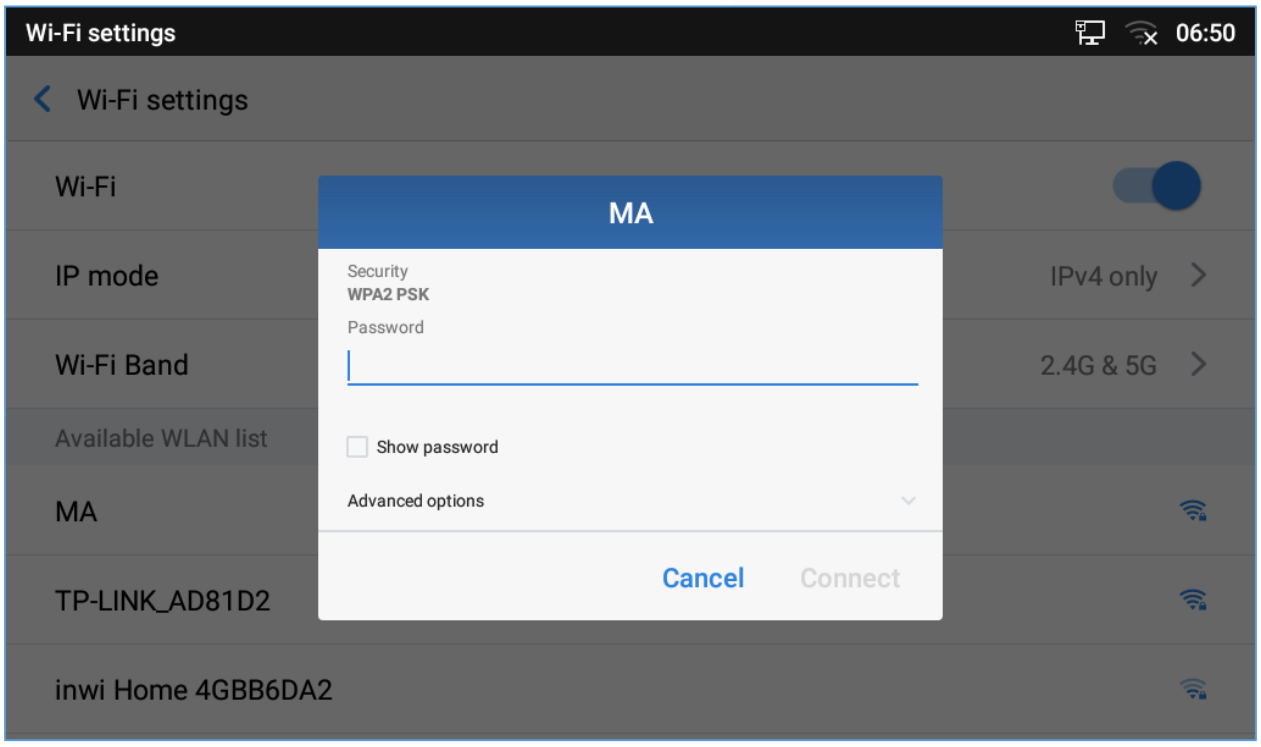

Figure 5: GXV33XX Connect to Wi-Fi

6. The phone will start connecting to the Wi-Fi. The status bar will show Wi-Fi signal strength.
7. Once authenticated, the phone will obtain IP address via DHCP and connect to the Wi-Fi network.
8. After successfully connected, the password will be remembered. When the GXV33XX has Wi-Fi turned on in the future, it will connect to this network if the SSID is within the range.

- **Connect to Wi-Fi networks from web UI**

1. Log in the GXV33XX web UI.
2. Go to "**Network Settings**" → "**Wi-Fi Settings**" → "**Wi-Fi Basics**" Click on to enable "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 "Connect".
5. Enter the password for the ESSID.
6. Save the change.
7. The phone will start connecting to the Wi-Fi network.

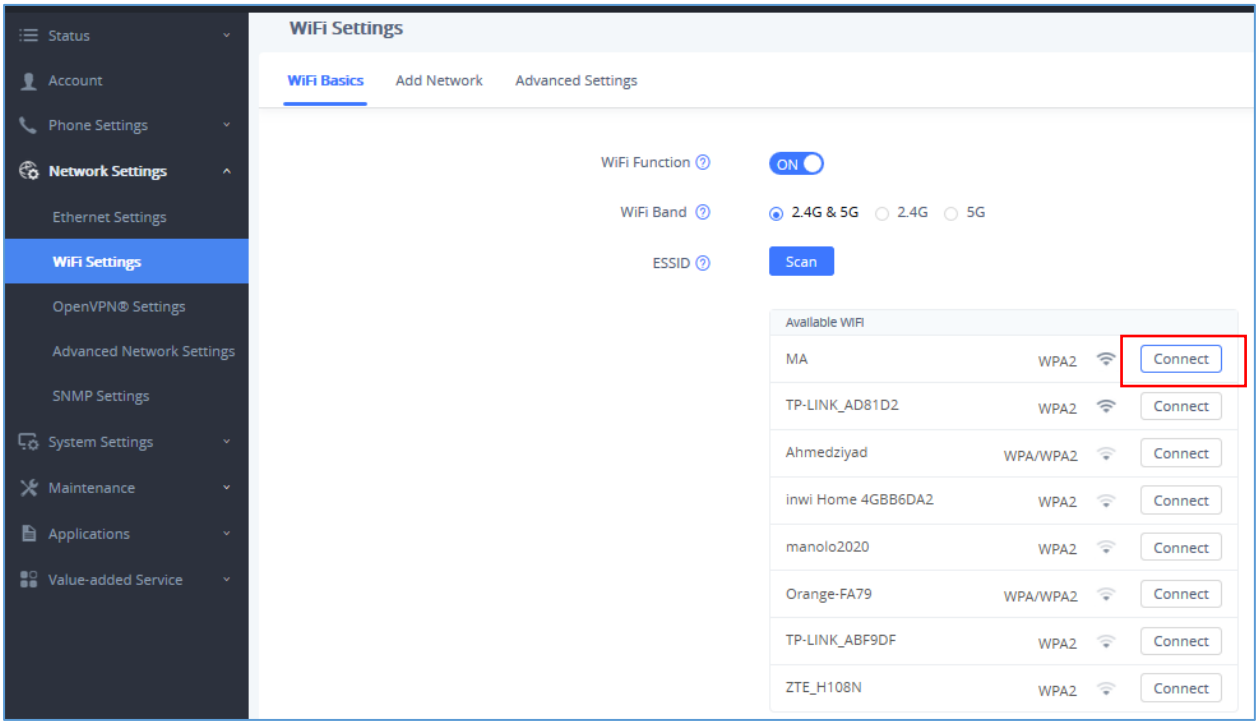

Figure 6: GXV33XX Connect to Wi-Fi via Web UI

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. Access the Menu from the GXV33XX LCD screen
2. Select **Settings** .
3. Select "**Wi-Fi**"
4. Tap on "**Wi-Fi Settings**".
5. On the "**Wi-Fi Settings**" screen, Scroll down and click on "**Add network**"
6. In the prompt dialog, enter SSID name, security type, password and set up address type (DHCP/Static IP).
7. Tap on "Save" to save the settings.
8. The phone will reboot with Wi-Fi network connected.

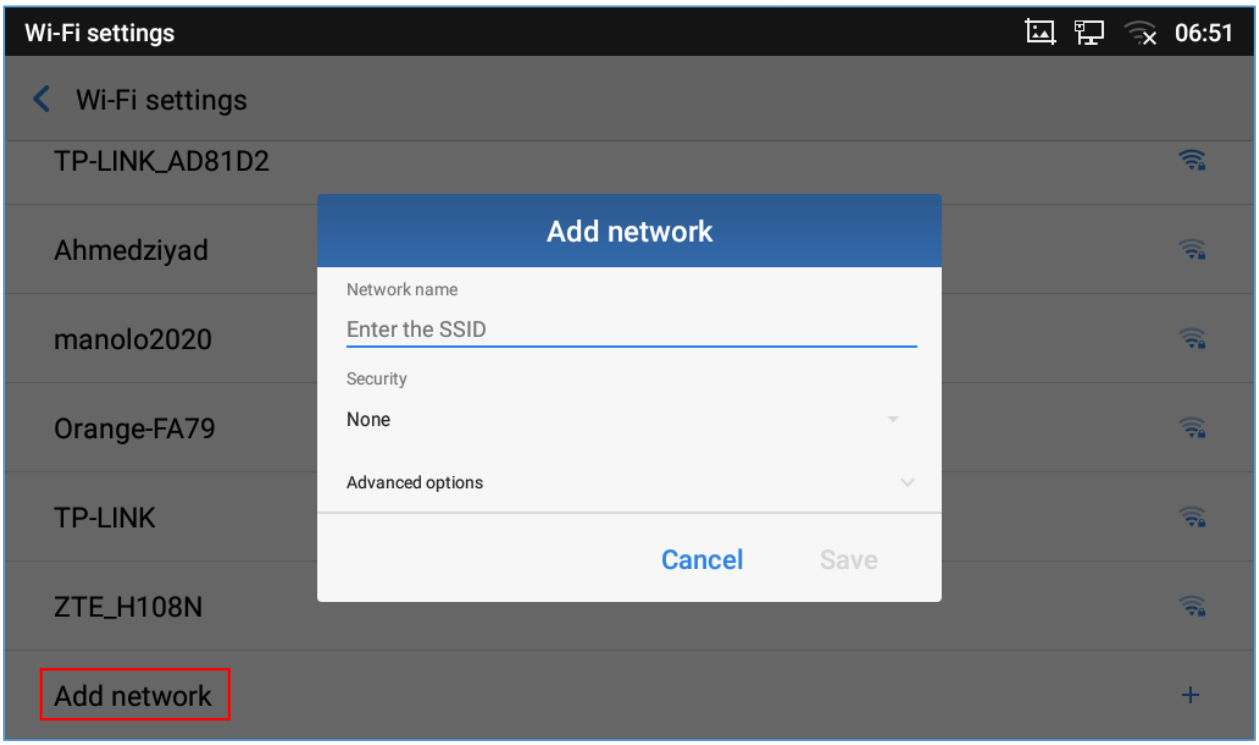

Figure 7: GXV33XX Add Wi-Fi Network Manually

Refresh/Scan

Under "**Wi-Fi Settings**" menu, press MENU button and select "**Refresh**" to intitiate a scan for the Wi-Fi networks within the range. The available Wi-Fi networks will be updated and displayed there.

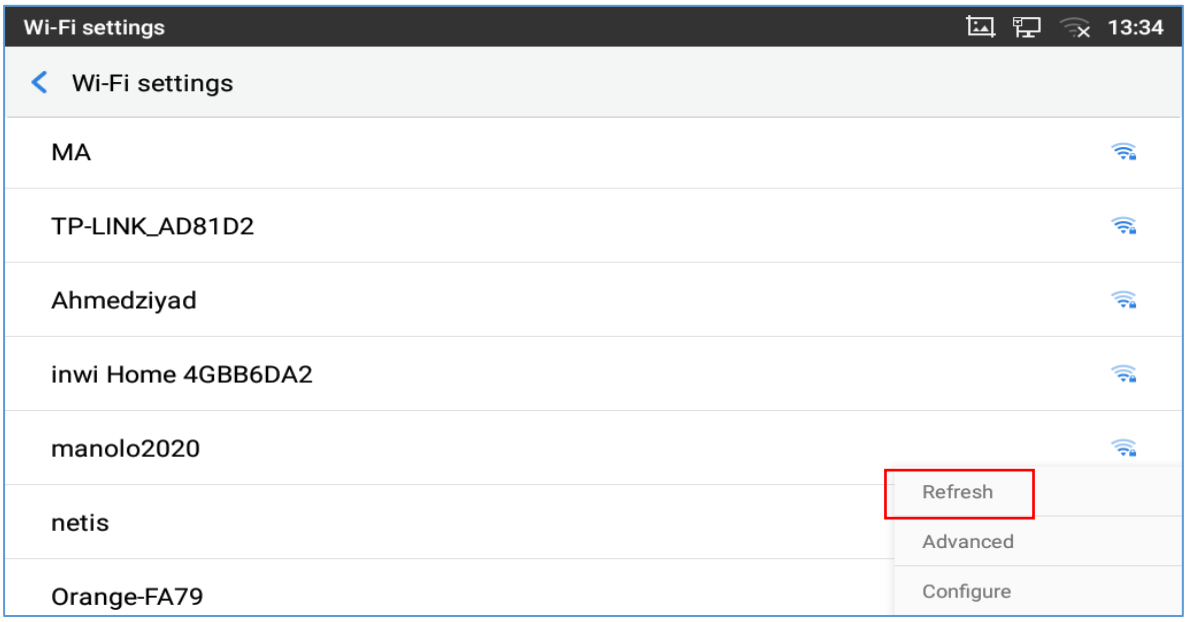

Figure 8: GXV33XX Wi-Fi Settings - Refresh

Users can also initiate a Scan for the available nearby Wi-Fi networks via the Web UI by accessing "**Network Settings**" → "**Wi-Fi Settings**" → "**Wi-Fi Basics**"

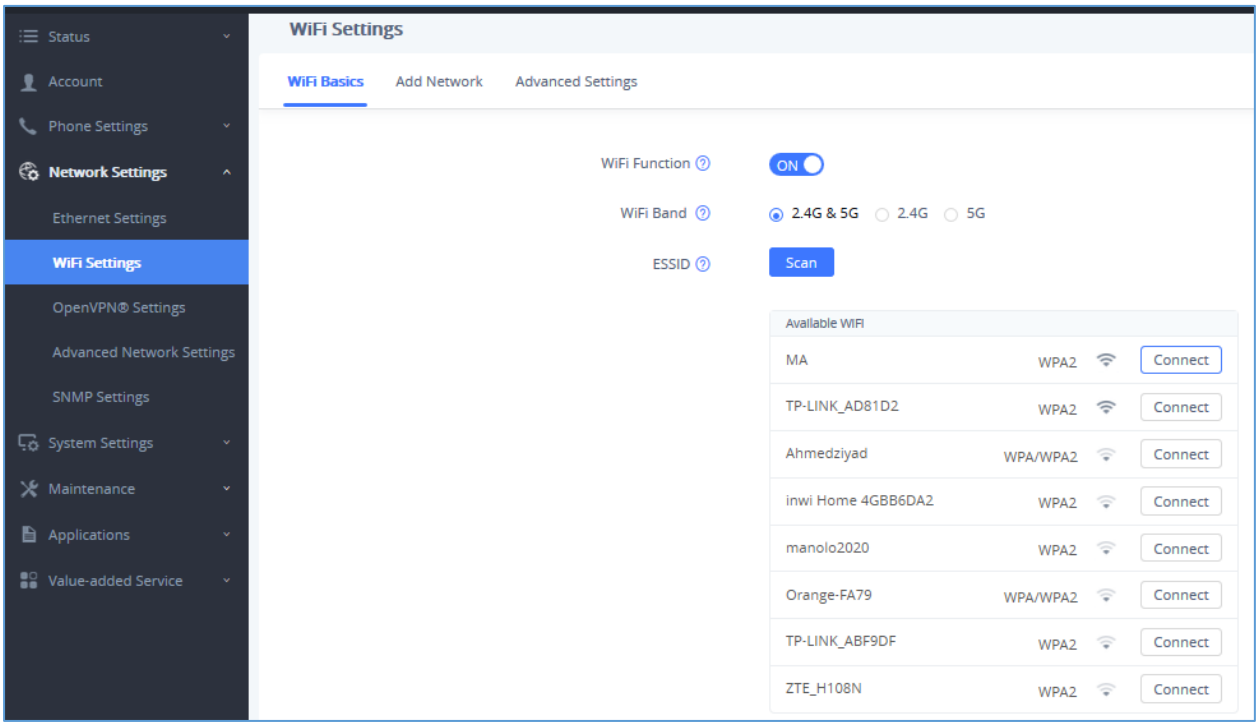

Figure 9: GXV33XX Scan Available Wi-Fi from Web UI

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.

Table 1: GXV33XX Wi-Fi Provisioning with P-values

Option	P-value	Example
Wi-Fi Function	P7800	P7800=0 – to "Enable" or P7800=1 – to "Disable" (default value)
ESSID	P7812	P7812=OfficeWiFi1
Password	P7830	P7830= 123456 This is the WEP default key. The maximum length allowed is 64

Table 2: GXV33XX Wi-Fi Provisioning with Alias

Option	Alias	Example
Wi-Fi Function	wifi.enable	*<item name="wifi.enable">No</item>* No→ disabled, Yes → Enabled
ESSID	wifi.essidname	*<item name="wifi.essidname">OfficeWiFi1</item>*
Password	wifi.essidpassword	*<item name="wifi.essidpassword">123456</item>*

For more details about the GXV33XX configuration template and provisioning, please refer to the configuration tool, templates and documentation in the following link:
http://www.grandstream.com/support/tools

WI-FI SETTINGS

IP Mode

Under "**Wi-Fi Settings**" LCD menu, users can select which Internet protocol to use.

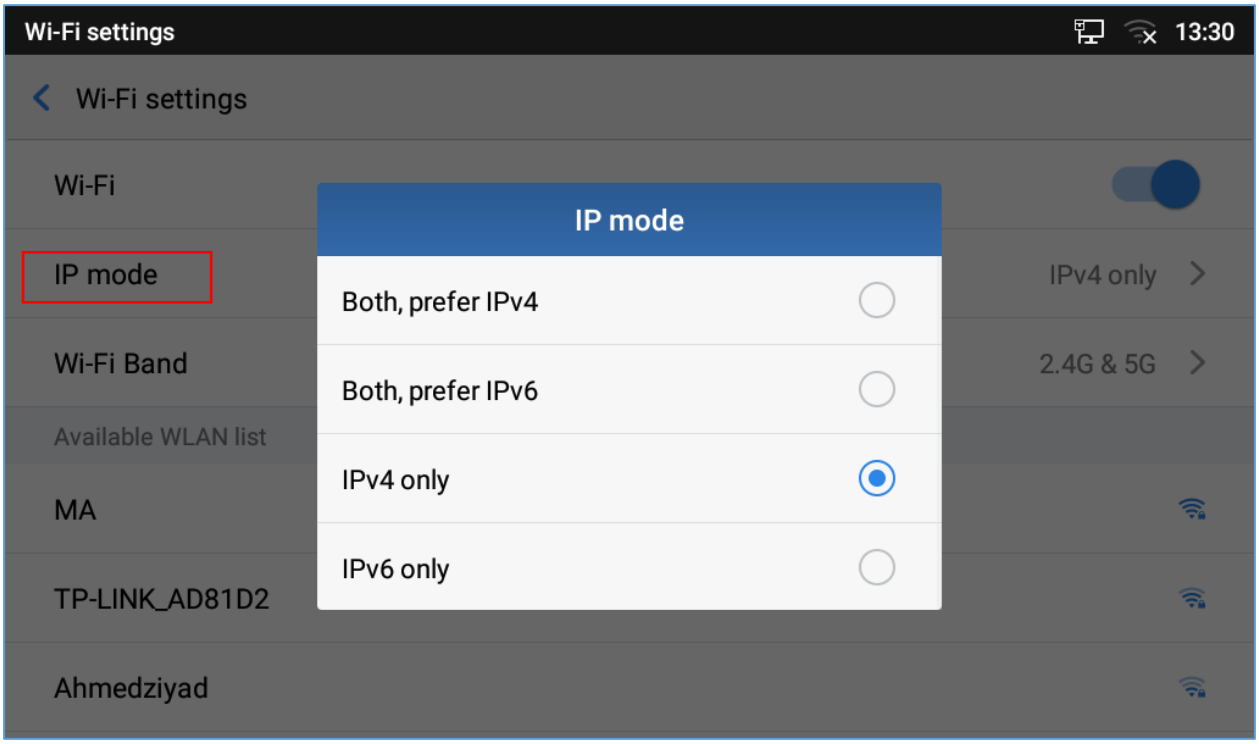

Figure 10: GXV33XX Wi-Fi Settings - IP Mode

Note: When both IPv4 and IPv6 are enabled, phone attempts to use preferred protocol first and switches to the other choice if it fails.

Wi-Fi Band

- **Wi-Fi Band selection from LCD**

Users can also set the type of Wi-Fi Band from the LCD menu under "**Wi-Fi Settings**" As shown in below screenshot.

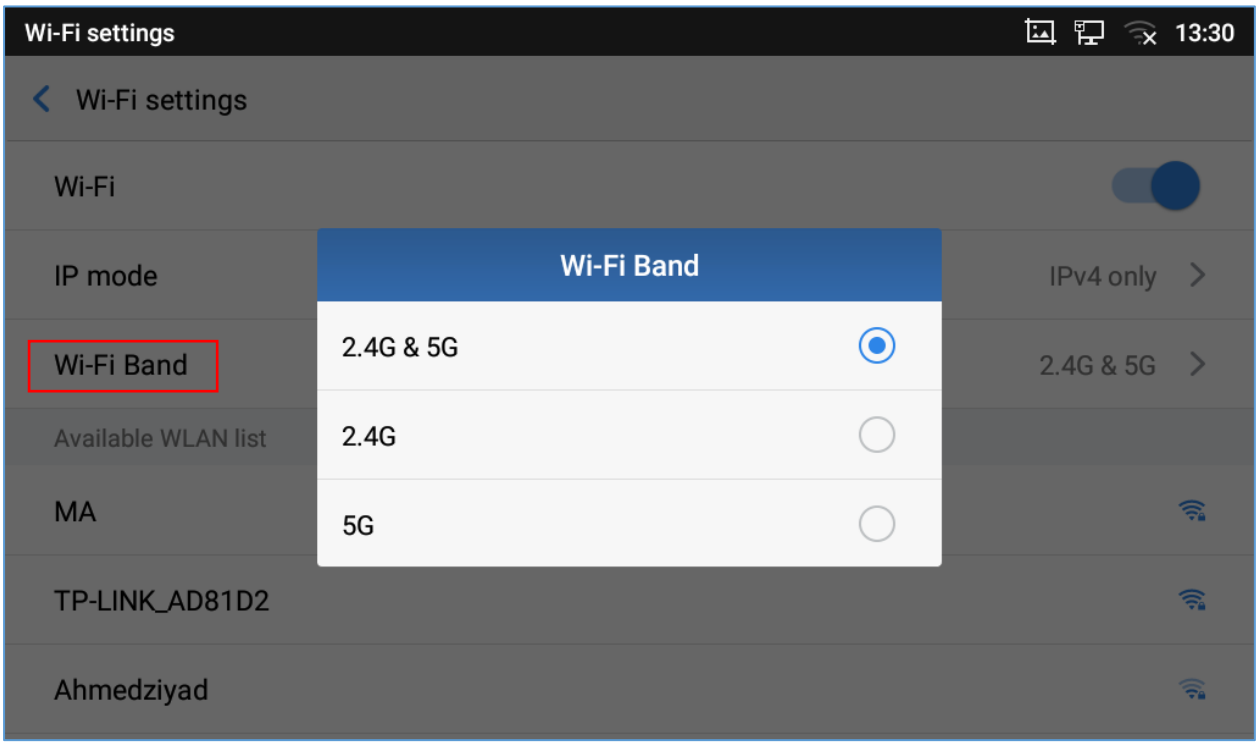

Figure 11: GXV33XX - Wi-Fi Band selection from LCD

- **Wi-Fi Band selection from Web UI**

1. Log in the GXV33XX web UI.
2. Go to "**Network Settings**" → **Wi-Fi Settings**" → **Wi-Fi Basics**"

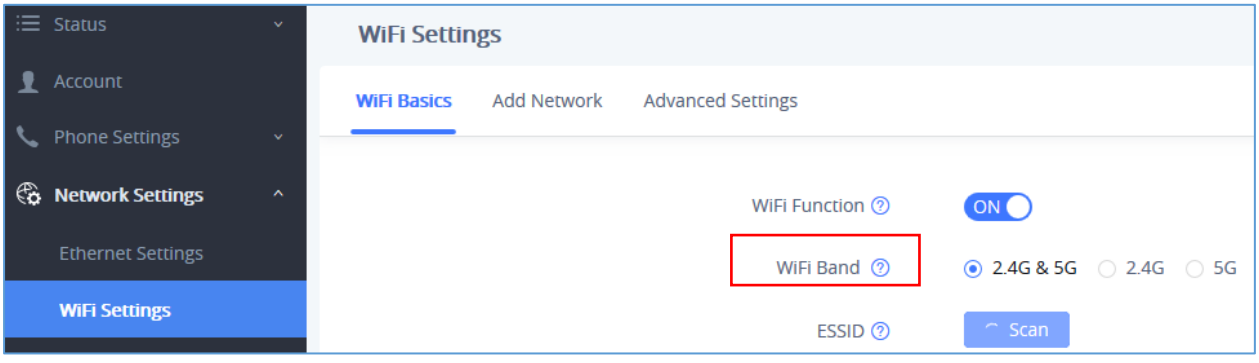

Figure 12: GXV33XX Wi-Fi Band Selection from Web UI

Note: The default setting is "**2.4G & 5G**".

Advanced Settings

Under "**Wi-Fi Settings**" menu, press MENU button and select "**Advanced**". Users will see the following advanced settings related to Wi-Fi connections.

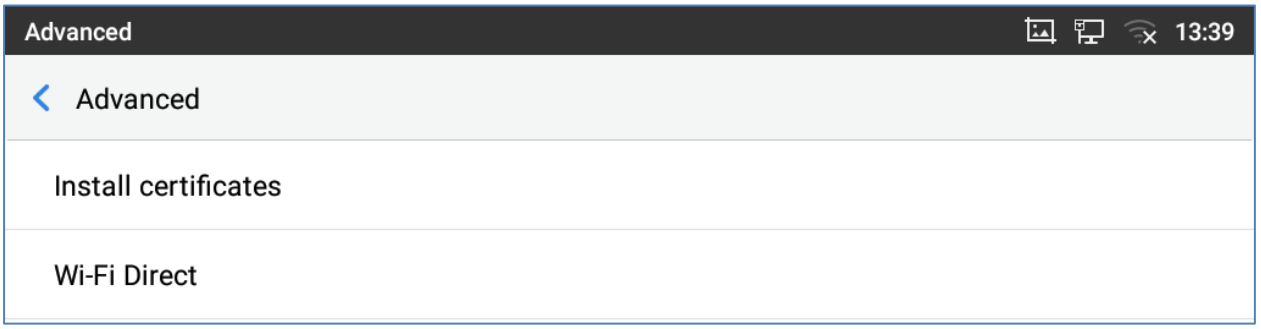

Figure 13: GXV33XX Wi-Fi Settings – Advanced

- **Install Certificates**.

  This is to install certificates (previously download/uploaded to the phone) when connecting to Wi-Fi network requesting SSL certificate.

- **Wi-Fi Direct**

  This is to set up peer-to-peer connection between two Wi-Fi Direct devices so that they can share data and sync files.

PORTABLE HOTSPOT

The GXV33XX 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 GXV33XX LCD Menu, navigate to "**Settings**" .
2. Select "**Tethering & Portable Hotspot**".
3. In the menu, tap on "**Portable Wi-Fi hotspot**" to select it.
4. Turn on hotpot by tapping on the checkbox of "**Portable Wi-Fi hotspot**".
5. 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.
6. On the other device that needs Wi-Fi access, turn on Wi-Fi, look for the SSID of the GXV33XX hotspot and enter authentication information to get connected.

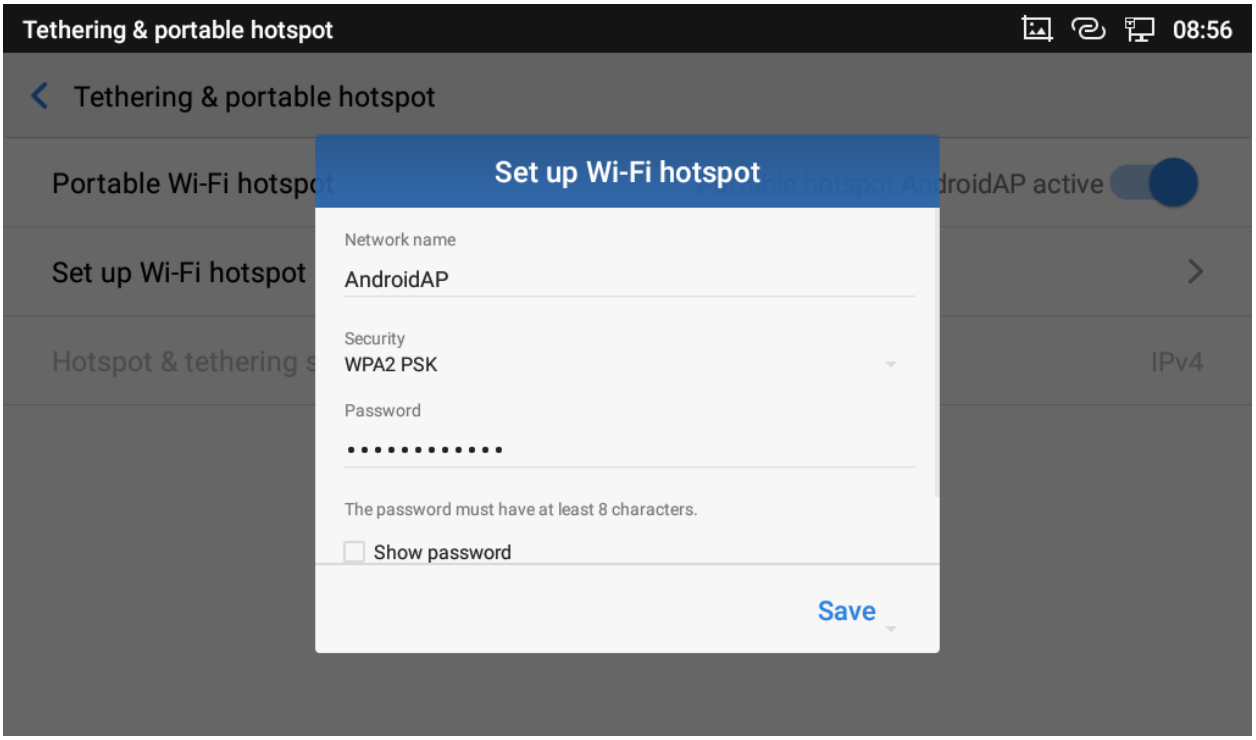

Figure 14: GXV33XX Wi-Fi Hotspot