

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 <u>http://www.grandstream.com/support</u> 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.

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Wi-Fi 🖌	Bluetooth 🧹	DND	Voice	Screen off	
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Auto answer	Call forward	RJ9 headset	Screenshot	Network status	
÷.)			- 🔆	

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.





Wi-Fi settings	ñ 🗄 🕉	06:14
< Wi-Fi settings		
Wi-Fi		
IP mode	IPv4 only	>
Wi-Fi Band	2.4G & 5G	>
Available WLAN list		
MA		(()
TP-LINK_AD81D2		()
Ahmedziyad		

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".

≣	Status ~	WiFi Setting	gs						
ł	Account	WiFi Basics	Add Network	Advanced	Settings				
م	Phone Settings ×			_					
¢\$	Network Settings ^			- I	WiFi Function 💿				
	Ethernet Settings				WiFi Band 💿		G		
	WiFi Settings				ESSID 🤊	Scan			
	OpenVPN® Settings				Ŭ				
	Advanced Network Settings					Available WIFI			
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·.~	Maintenance					Ahmedziyad	WPA/WPA2	$\widehat{(}_{\Psi}$	Connect
Ĉ						inwi Home 4GBB6DA2	WPA2	(+	Connect
В	Applications ~					manolo2020	WPA2	(;	Connect
	Value-added Service 🔹 👻								

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"

Wi-Fi settings 🕅 🗔	臣	()) X:	06:27
< Wi-Fi settings			
Available WLAN list			
МА			()î
TP-LINK_AD81D2			((î [#]
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inwi Home 4GBB6DA2			((f ^a
manolo2020			((†*
TP-LINK_425406			((f ^a

Figure 4: GXV33XX Wi-Fi Settings

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].





Wi-Fi settings				F (ix	06:50
Wi-Fi settings					
Wi-Fi		МА			
IP mode	Security WPA2 PSK			IPv4 only	>
Wi-Fi Band	Password			2.4G & 5G	>
Available WLAN list	Show password				
MA	Advanced options		~		((î;ª
TP-LINK_AD81D2		Cancel	Connect		((î
inwi Home 4GBB6DA	2				



- 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".
- 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.





i≡ Status ~	WiFi Settings					
L Account	WiFi Basics Add Network	Advanced Settings				
C Phone Settings						
🏠 Network Settings 🛛 ^		WiFi Function ⊘				
Ethernet Settings		WiFi Band				
WiFi Settings		ESSID 💿	Scan			
OpenVPN® Settings			Available WIFI			
Advanced Network Settings			MA	WPA2	((+	Connect
SNMP Settings			TP-LINK_AD81D2	WPA2	((+	Connect
🗔 System Settings 🗸 🗸			Ahmedziyad	WPA/WPA2	() ()	Connect
🗙 Maintenance 🗸 👻			inwi Home 4GBB6DA2	WPA2	$\overline{\mathbf{v}}$	Connect
Applications 🗸			manolo2020	WPA2	$\widehat{}$	Connect
Value-added Service 🗸 🗸			Orange-FA79	WPA/WPA2	(; ;	Connect
			TP-LINK_ABF9DF	WPA2	(j.	Connect
			ZTE_H108N	WPA2	(+	Connect

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"
- 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.





Wi-Fi settings				희 🆫 🔍	06:51
< Wi-Fi settings					
TP-LINK_AD81D2					((;
Ahmedziyad		Add network			() ?ª
manolo2020	Network name Enter the SSID				
	Security				
Orange-FA79	Advanced options				(î)
TP-LINK		Cancel	Sava		((†*
ZTE_H108N		Cancer	Save		() ()
Add network					+

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.

Wi-Fi settings	ᅜ] 🛪 13:34
< Wi-Fi settings		
МА		
TP-LINK_AD81D2		
Ahmedziyad		
inwi Home 4GBB6DA2		
manolo2020		
	Refresh	
neus	Advanced	
Orange-FA79	Configure	







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

:=		~	WiFi Settir	ngs					
ł			WiFi Basics	Add Network	Advanced Settings				
٩.	Phone Settings	~							
6	Network Settings	^			WiFi Function 곗	ON			
	Ethernet Settings				WiFi Band 🧑	● 2.4G & 5G ○ 2.4G ○ 5G			
	WiFi Settings				ESSID (?)	Scan			
	OpenVPN® Settings					Available WIFI			
	Advanced Network Settin	ngs				MA	WPA2	((+	Connect
	SNMP Settings					TP-LINK_AD81D2	WPA2	((+	Connect
çò		~				Ahmedziyad	WPA/WPA2	(+	Connect
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B		~				manolo2020	WPA2	(+	Connect
	Value-added Service	*				Orange-FA79	WPA/WPA2	() ()	Connect
						TP-LINK_ABF9DF	WPA2	(+	Connect
						ZTE_H108N	WPA2	(+	Connect

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 F	Provisioning	g with	P-value	5

Option	P-value	Example
	P7800	P7800=0 – to "Enable"
Wi-Fi Function		or
		P7800=1 – to "Disable" (default value)
ESSID	P7812	P7812=OfficeWiFi1
Password	and DZ000	P7830= 123456
Fassword	P7830	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	<i><item name="wifi.enable">No</item></i> 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.

Wi-Fi settings 🛛 🖓 13:30					
< Wi-Fi settings					
Wi-Fi	IP mode				
IP mode	Both, prefer IPv4	\bigcirc	IPv4 only >		
Wi Fi Bond					
	Both, prefer IPv6	\bigcirc	2.46 & 56 /		
Available WLAN list					
	IPv4 only				
MA	ii vų only		<u>(</u>		
		\frown			
	IPv6 only	\bigcirc			
Ahmedzivad					
Anneaziyau			¥#		

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.





Wi-Fi settings	전 탄 🕉	13:30			
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Wi-Fi					
IP mode	W	i-Fi Band	IPv4 only	>	
Wi-Fi Band	2.4G & 5G	۲	2.4G & 5G	>	
Available WLAN list	2.4G	\bigcirc			
МА	5G	\bigcirc		();ª	
TP-LINK_AD81D2				();ª	
Ahmedziyad					

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"

≣	Status	~	WiFi Settii	ngs		
!	Account		WiFi Basics	Add Network	Advanced Settings	
م	Phone Settings	Ý				
¢	Network Settings	^			WiFi Function 🧿	
	Ethernet Settings				WiFi Band 📀	● 2.4G & 5G ○ 2.4G ○ 5G
	WiFi Settings				ESSID 💿	Scan

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 (I) and select "Advanced". Users will see the following advanced settings related to Wi-Fi connections.

Advanced	희 🏗 🔍 13::	39
< Advanced		
Install certificates		
Wi-Fi Direct		

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.

Tethering & portable hotspo	豆 © 〒 08:56					
Contract						
Portable Wi-Fi hotspo	Set up Wi-Fi hotspot	IroidAP active				
Set up Wi-Fi hotspot	Network name AndroidAP	>				
Hotspot & tethering s	Security WPA2 PSK	IPv4				
	Password					
	The password must have at least 8 characters.					
	Save					

Figure 14: GXV33XX Wi-Fi Hotspot

