

Configuring the USB Wireless Adapter with GXV3140

1.1 How to Enable Wifi Features

1.1.1 Configuring using the web configuration interface

Type the IP address of the GXV3140 (as shown on the phone LCD screen, see figure 1-1 below) in the URL bar of a web browser to log into the web configuration interface. The user will be prompted for the login credentials. By default, the username and password are both set to admin. (See figure 1-3 below).

0 49 1 2 3 🚔	10-12-2009 10:11 📲
IPVideoTall: 1425 1425 1434 1434 1434 132 IP: 192.168.89.49	12 2 3
Menu Switch Scree	n

Figure 1-1

🗿 G	🖹 GXV3140 - Microsoft Internet Explorer											
File	Edit	View	Favorites	Tools	Help	11-11						
0	Back	• €	- 💌	2		Search	Kavorites	Ø	Ø• 🎍		- 🗾 👰 👹	- 28
Addre	ess	192.16	8.89.49									

In	novative N	Iultimedia Phone	
<u></u>		System Login	
Username	admin		
Password	•••••		
Language	English	~	
	Login	Reset	

Figure 1-2

Grandstream Networks, Inc. http://www.grandstream.com

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After logging into the GXV3140 Web configuration interface, click on Maintenance-> Wifi Settings. Set Wifi Function to "Enable" and click on "Save" (see figure 1-4 below).

Status Account 1	Account 2	Account 3	Advanced Se	ttings	Maintenance	Application Setti	ngs	
	Wifi S	Setting						
	Wifi	Basics						
	Wifi	Function :	۲	Enable	O Disable			
Maintenance	Wire	less Mode :	80	02.11b/g/n		~		Pop-up Tips
Network Settings	Netw	vork Type :	۲	AP or Ma	anaged 🔘 Adhoc			Tooltips appear as you
Wifi Settings	Char	nnel :	A	uto		~		drag your mouse over
Time Settings	ESS	n.	S.L.L.					configuration
Web/Teinet Access	LSSI	υ.						more detailed
Upgrade and Provisioning						🛆 Scan		description of them. The
SysLog								dot before the
Debug						Select		have to reboot your
Language						Delete		phone to activate the
Device Manager								parameter.
OpenVPN settings						- Add		
	-Wifi	Security						
	Secu	urity Mode :	N	ONE		~		
			Save		Cancel			

Figure 1-4

Wifi Function: The setting to enable/disable the Wifi functions. By default, Wifi functions are disabled. If users are not using the Wifi function, please leave it as the default setting.

Wireless Mode: The setting used to configure the GXV3140 wireless mode. These are the modes supported: 802.11b/g, 802.11b, 802.11g, 802.11n, 802.11g/n, 802.11 b/g/n. It is recommended to use 802.11 b/g/n.

Network Type: Select "AP or Managed" for wireless networks with access points. Select "Adhoc" if it is an ad-hoc network and there are no access points. It is recommended to use the "AP or Managed" network type if there are access points.

Note: With "AP or Managed" network type, the signals between the devices would have to go through the access point (router). With Adhoc network, the devices can send signals to other devices directly without going through the access points.

Channel: Configure the wireless signal channel based on the settings on your wireless router. If the channel setting on the wireless router is set to 6, please also select 6 for this setting.

Security Mode: Configure the security mode based on the settings on your wireless router. If the wireless router uses WEP, please also select WEP for the security mode and configure the keys.



1.1.2 Configuring using the GXV3140 keypad

Press the F1 button or the round submit button () on the GVX3140 to access the menu. Use the up/down/left/right navigation keys to navigate through the menu and select "Settings" (see figure 2-2).Select "Network" (see figure 2-3), and use the left/right arrow key to select "Wifi" (see figure 2-4). Configure the Wifi settings and press F3 to save the settings.



Figure 2-1



Figure 2-2



0 49 1 2 3			10-	12-2009 10:12 📲
776		9 9		\$
Accounts	Network	Time	Display	Maintenance
8	್ಟೆ			
Camera	Call Features	Video Setting		
Sel	ect			Back

Figure 2-3

0 🛯 1 2 3 🚔		1	0-12-2009 10:30 📲
14	Settings / Netw	ork	
Connection Other Wifi			
Wifi Function:	Enable	Disable	
ESSID:	1		Configure
Security Mode:	WEP		
WEP Default Key:	WEP Key 1		
WEP Key 1:			Show Pwd
Backspace	123	Save	Exit



Wifi Function: The setting to enable/disable the Wifi functions.

ESSID: The identifying name (ESSID) for the wireless network.

Security Mode: The data encryption method will be based on the security mode.

There are five encryption methods: WEP, WEP PSK TKIP, WEP PSK AES, WEP2 PSK TKIP, WEP2 PSK AES. Configure the security mode based on the settings on your wireless router. If the setting on the wireless router is set to WEP, select WEP and configure the corresponding WEP key set on the router.

Configure: Configure the ESSID of the wireless network. Add/Delete ESSID or scan for available wireless networks.

Key: The key configured for the wireless network, should be corresponding to the key configured on the wireless router.

Show Pwd: If selected, the password will be shown in plain text.



1.2 Hardware Connection

When the Wifi functions is enabled, plug the 802.11n Wifi USB dongle into the USB port on the GXV3140. After 10-15 seconds, when the USB Wifi dongle has successfully connected to the phone, the small icon will be shown on the phone LCD screen (see figure 3-1)

0 • 1 2 3 =	10-12-2009 10:11 📲
IPVideoTall: 1426 Accourt 2 1434 Accourt 1 132 IP: 192.168.89.49	12 2 3 Monday "Columbus Day"
Menu Switch Scree	en

Figure 3-1

1.3 Using the Wifi Dongle

Configure the USB Wifi dongle using the two methods described above. On the GXV3140, select MENU->Settings->Network and use the left/right arrow key to toggle to "Wifi". Select "Configure" to configure the ESSID configuration page (as shown in

Figure 4-1). Select "Scan" and press the round Submit button () and the phone will

scan and show all the available wireless networks in its range. The ESSID of the network and the signal quality will be displayed. The larger the number is for the signal quality, the better the signal quality is. To add a wireless network, select the ESSID

and press the round submit button ($^{\textcircled{O}}$) or enter the ESSID and select "Add". Select

F4 to go back to the setting and the network with the new ESSID should be added (see figure 4-2). After the settings are modified, press F3 to save these settings. If the wireless network is not encrypted by a key, the user should be able to connect to the network in a few seconds.



0 49 1 2 3 🖀 👔 🖪		10-12-2009 10:42
id	Wifi ESSID	
ESSID	Signal Quality	Scan
1	100	- Juli
TP-LINK_7A2602	42	Delate
GXV3140	89	Delete
ChinaNet-bdtech	31	ESSID:
qdeng	99	
LINKSUM	37	1
test_10	94	
tester	47	Add
Backspace	123	Back



0 📵 1 2 3 🚝 💦 🖪			10-12-2009 10:30	
11	Settings / Netwo	ork		
Connection Other Wifi				
Wifi Function:	Enable	Disable		
ESSID:	1		Configure	
Security Mode:	WEP			
WEP Default Key:	WEP Key 1			
WEP Key 1:			📄 🗐 Show Pwo	đ
			-	
Backspace	123	Save	Exit	

Figure 4-2

FAQ

Q: How do I configure the Key?

A: As shown in figure 4-3, the security mode used when ESSID is 1 is WEP and uses WEP Key 1 as its default key. The user would need to configure the key to be corresponding to the key on the wireless router. For example, if the WEP key set on the wireless router is set to 123456, configure the WEP Key1 to 123456. Press F3 to save the settings. If both the configurations and the key are correct, the user should be able to connect to the Wifi network in a few seconds. Users can also configure the keys from the web configuration interface (see figure 4-4 below).



roun stream					
0 49 1 2 3 E		Settings / Net	work	10-12-2	009 10:30 📲
Connection 0	ther Wifi				
Wifi Fun	ction:	🔵 Enable	Disable	2	
ESS	D.	1			onfigure
		-			
Security	Mode:	IWEP			
WEP Defa	ult Key:	WEP Key 1			
WEDK	ou 1:			<u> </u>	Show Dud
WEPK	eyı.			-	Show Pwu
Backsp	ace	123	Save	Exi	t
		Figure 4	I-3		
GXV3140 Status Account 1 Acc	0 Multimedia	Phone Admin	istration Interfac	tion Settings	
	Wifi Setting	, in the second s			
Maintenance	win Setting				Pop-up Tips
Vitil Settings Vitil Settings Upgrade and Provisioning SysLog Debug Language Device Manager	Wifi Basics Wifi Function : Wireless Mode : Network Type : Channel : ESSID :	 Enable 802.11b/g/ AP or M Auto 	O Disable n V anaged O Adhoc		Toollips appear as you drag your mouse over configuration parameters to provide a more detailed description of them. The dot before the parameters means you have to reboot your phone to activate the parameter.
OpenVPN settings				Scan Gelect Delete Add	
	Wifi Security				
	Security Mode :	WEP	~		
	WEP Default Key :	WEP Key 1	~		
	WEP Key 1:				
	WEP Key 2:				
	WEP Key 3:				
	WEP Key 4 :				

Figure 4-4