

## GV-WiFi Adaptor V2

GV-WiFi Adaptor V2 is designed to connect the GV-IP devices to the wireless network. This product supports 2.4 GHz and 5 GHz wireless connection. GV-WiFi Adaptor V2 is a plug-and-play device; you don't need to install any driver for the device to work.

### Compatible GV-IP Devices

GV-WiFi Adaptor V2 is compatible with any of the following hardware and firmware.

- GV-BX1200 Series / 1300 Series / 1500 Series / 2400 Series / 2500 Series / 3400 Series / 5300 Series (firmware V3.12 and later)
- GV-BX2700 Series / 4700 Series / 5700 Series (firmware V1.06 and later)
- GV-FE2302 / 3402 / 5302 / 3403 / 5303 (firmware V3.12 and later)
- GV-FER5700 (firmware V1.06 and later)
- GV-MFD1501 Series / 2401 Series / 2501 Series / 3401 Series / 5301 Series (firmware V3.12 and later)
- GV-SNVR0411 (firmware V2.61 and later)
- GV-SNVR0811 (firmware V2.5 and later)
- GV-SNVR1611
- GV-VS2400 / 2420 (firmware V1.03 and later)
- GV-VS2401 / 21600 (firmware V2.5 and later)
- GV-VS2800 / 2820
- PN400 (firmware V1.01 and later)

### Packing List

1. GV-WiFi Adaptor V2
2. Installation Guide
3. Mini USB to Standard USB Converter (For use with H.265 Box IP Cameras only)

## Overview

### GV-Wifi Adaptor V2



### GV-Box Camera WiFi Adaptor Set



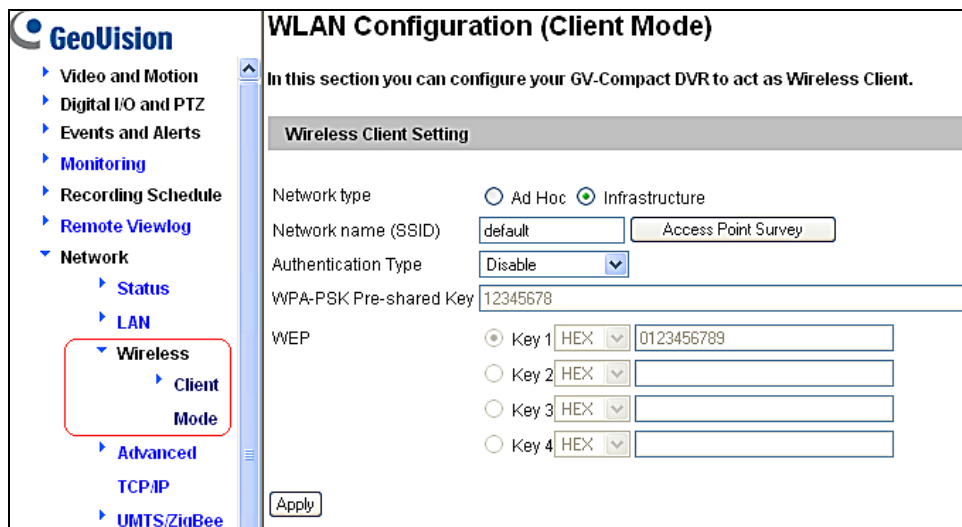
Mini USB  
converter

## Manual Connection to Wireless Network

GV-WiFi Adaptor V2 is a plug-and-play device, which means you don't need to install any driver for the device to work. To manually connect GV-IP devices to wireless network, follow the steps below.

1. Connect GV-WiFi Adaptor V2 to the GV-IP device.
2. Set up **WLAN Configuration** on the GV-IP device.
  - A. Start the Internet Explorer browser, and enter the IP address or the domain name of the GV-IP device to access its Web interface.

B. From the left menu, select **Network**, select **Wireless** and select **Client Mode**. This page appears.

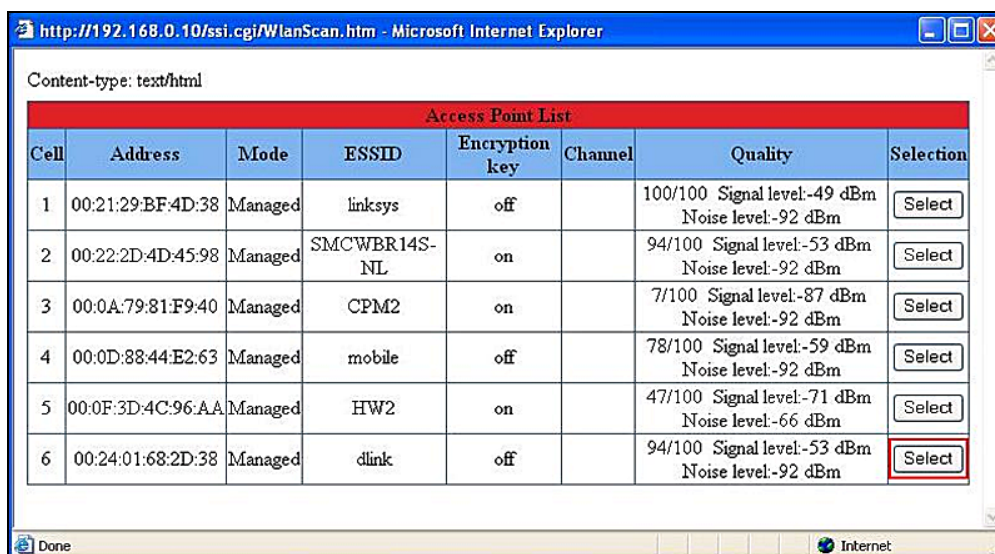


C. Select the network type **Ad Hoc** or **Infrastructure**. The default network type is **Infrastructure**.

- **Infrastructure:** Via the Access Point to connect to the Internet. This mode further gives wireless access to the Internet or data sharing under a previously wired environment.
- **Ad-Hoc:** A Peer-to-Peer mode. This mode connects to other computer with the WLAN card, and does not need the Access Point to connect to each other.

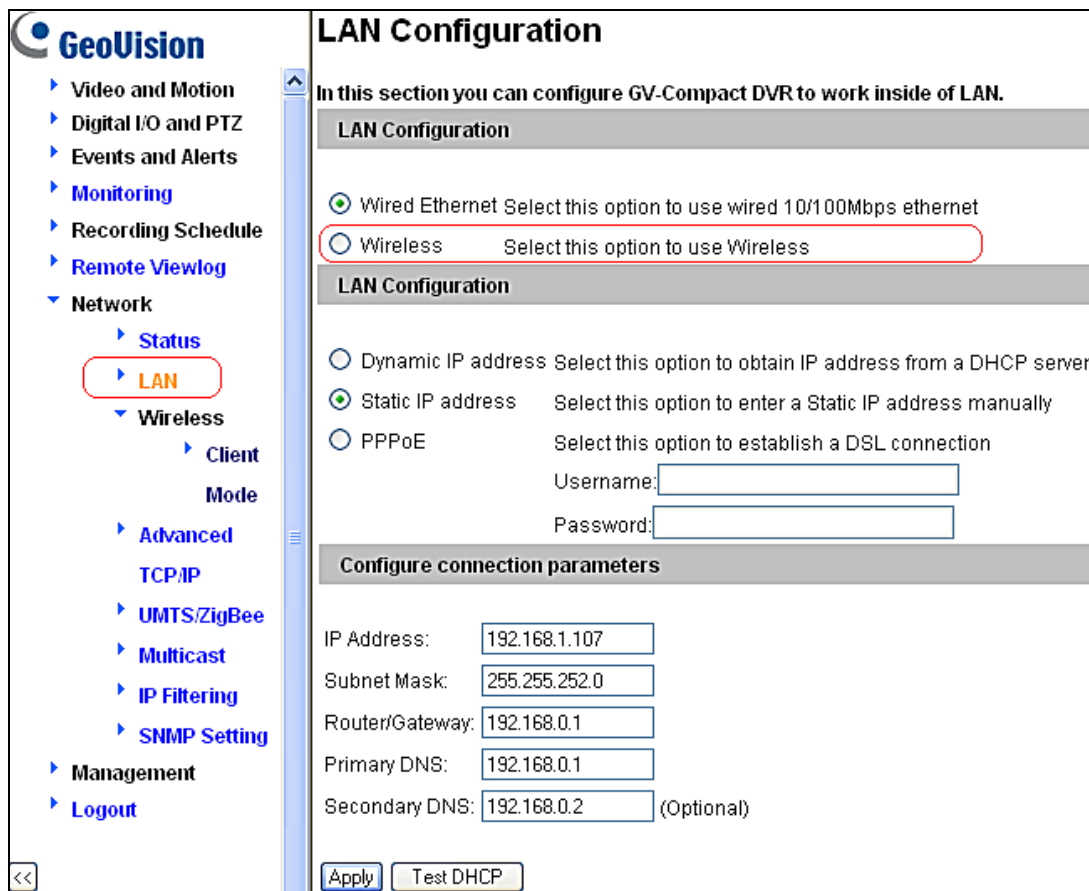
D. Enter the **Network name (SSID)** of the wireless LAN group or Access Point you are going to connect to. If you can't specify the network name, click **Access Point Survey** to detect all the available Access Points (Infrastructure mode) and wireless stations (AD-Hoc mode) within the range of your WLAN card.

a. Click **Access Point Survey**. This window appears.



Access Point List							
Cell	Address	Mode	ESSID	Encryption key	Channel	Quality	Selection
1	00:21:29:BF:4D:38	Managed	linksys	off		100/100 Signal level:-49 dBm Noise level:-92 dBm	Select
2	00:22:2D:4D:45:98	Managed	SMCWBR14S-NL	on		94/100 Signal level:-53 dBm Noise level:-92 dBm	Select
3	00:0A:79:81:F9:40	Managed	CPM2	on		7/100 Signal level:-87 dBm Noise level:-92 dBm	Select
4	00:0D:88:44:E2:63	Managed	mobile	off		78/100 Signal level:-59 dBm Noise level:-92 dBm	Select
5	00:0F:3D:4C:96:AA	Managed	HW2	on		47/100 Signal level:-71 dBm Noise level:-66 dBm	Select
6	00:24:01:68:2D:38	Managed	dlink	off		94/100 Signal level:-53 dBm Noise level:-92 dBm	Select

- b. Click **Select** to select the router with which you want to associate.
- E. Select the network authentication and data encryption in the **Authentication Type** drop-down list. Your encryption settings must match those used by the Access Points or wireless stations with which you want to associate.
- **Disabled:** No authentication is needed within the wireless network.
  - **WEP (Wired Equivalent Privacy):** A type of data encryption. Type up to four WEP Keys in HEX or ASCII format. Note that if you use HEX format, only digits 0-9 and letters A-F, a-f are valid.
  - **WPAPSK-TKIP** and **WPA2PSK-TKIP:** Type WPA-PSK (Pre-Shared Key) for data encryption.
  - **WPAPSK-AES** and **WPA2PSK-AES:** Type WPA-PSK (Pre-Shared Key) for data encryption.
- F. Click **Apply**.
3. Enable **Wireless** mode on the GV-IP device.
- A. Select **Network** from the left menu, and select **LAN**. This page appears.



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  - ▶ LAN
  - ▶ Wireless
    - ▶ Client Mode
    - ▶ Advanced
    - ▶ TCP/IP
    - ▶ UMTS/ZigBee
    - ▶ Multicast
    - ▶ IP Filtering
    - ▶ SNMP Setting
  - ▶ Management
  - ▶ Logout

### LAN Configuration

In this section you can configure GV-Compact DVR to work inside of LAN.

**LAN Configuration**

Wired Ethernet Select this option to use wired 10/100Mbps ethernet

Wireless Select this option to use Wireless

**LAN Configuration**

Dynamic IP address Select this option to obtain IP address from a DHCP server

Static IP address Select this option to enter a Static IP address manually

PPPoE Select this option to establish a DSL connection

Username:

Password:

**Configure connection parameters**

IP Address:

Subnet Mask:

Router/Gateway:

Primary DNS:

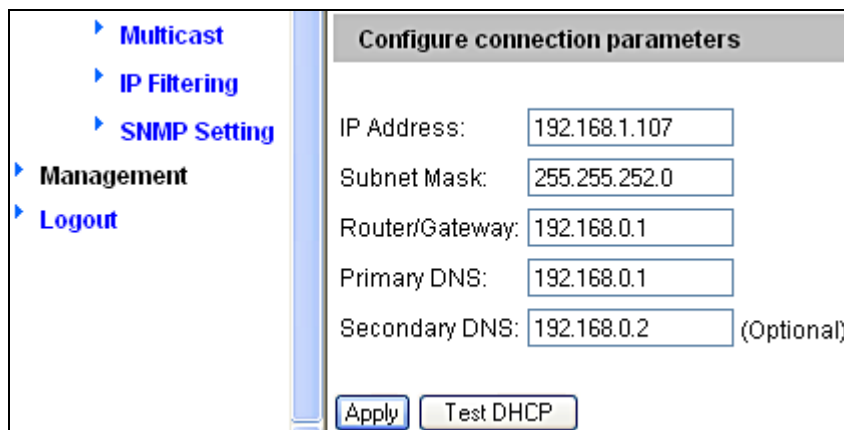
Secondary DNS:  (Optional)

- B. Select **Wireless**.

4. Select **Static IP address** or **Dynamic IP address** for LAN configuration. The default setting is **Static IP address**.
  - **Static IP address:** Assign a static IP or fixed IP to the GV-IP device.
  - **Dynamic IP address:** The network environment has a DHCP server that automatically assigns a dynamic IP address to the GV-IP device. This option should only be enabled if you know which IP address the GV-IP device will get from the DHCP server, or you have obtained a domain name from the DDNS service provider.

For users who select **Static IP address**:

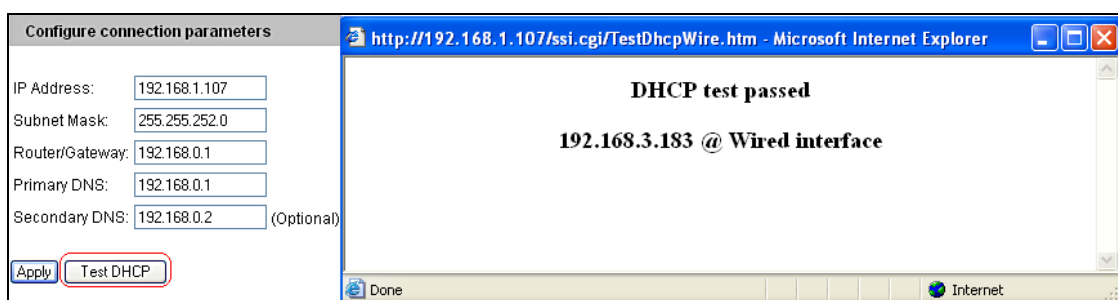
- A. Enter the GV-IP device's TCP/IP and DNS parameters in the **Configure connection parameters** section.



- B. Click **Apply**. The configuration is complete.

For users who select **Dynamic IP address**:

- A. Select **Dynamic IP address**, and click **Apply**.
- B. Click **Test DHCP** to verify the setting. A window similar as the following example appears.



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**Note:** If you select **Dynamic IP Address**, the IP address of the GV-IP device assigned by DHCP Server may change.

1. To detect the IP address, you can use the GV-IP Device Utility on Software CD of the GV-IP device.
  2. It is recommended to use DDNS service that redirects the ever-changing IP address to a domain name. You can find the DDNS settings in the Advanced TCP/IP option from the left menu, and instructions in the user's manual.
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## Specifications

<b>Network Standard</b>	2.4 GHz: IEEE 802.11b, 802.11g, 802.11n 5 GHz: IEEE 802.11ac (Draft), 802.11a, 802.11n
<b>Chipset</b>	RTL8811AU
<b>Host Interface</b>	USB 2.0 Backward Compatible (Standard-A Type connector)
<b>Operating Frequency</b>	2.4000 - 2.4835 GHz (subject to local regulations) 5.150 - 5.825 GHz (subject to local regulations)
<b>Dimensions (L x W x H)</b>	15 x 15 x 155 (mm) / 0.59 x 0.59 x 6.10 (in)
<b>Weight</b>	0.01 kg (0.02 lb)