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-BX2700 Series / 4700 Series / 5700 Series (firmware V1.06 and later)

GV-FER5700 (firmware V1.06 and later)

GV-VS2400 / 2420 (firmware V1.03 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

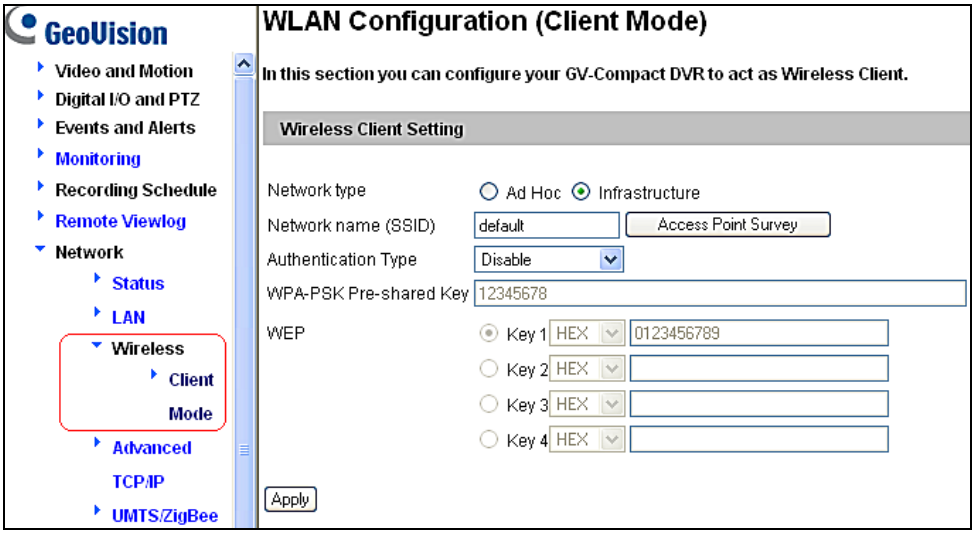
GV-Box Camera WiFi Adaptor Set

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.

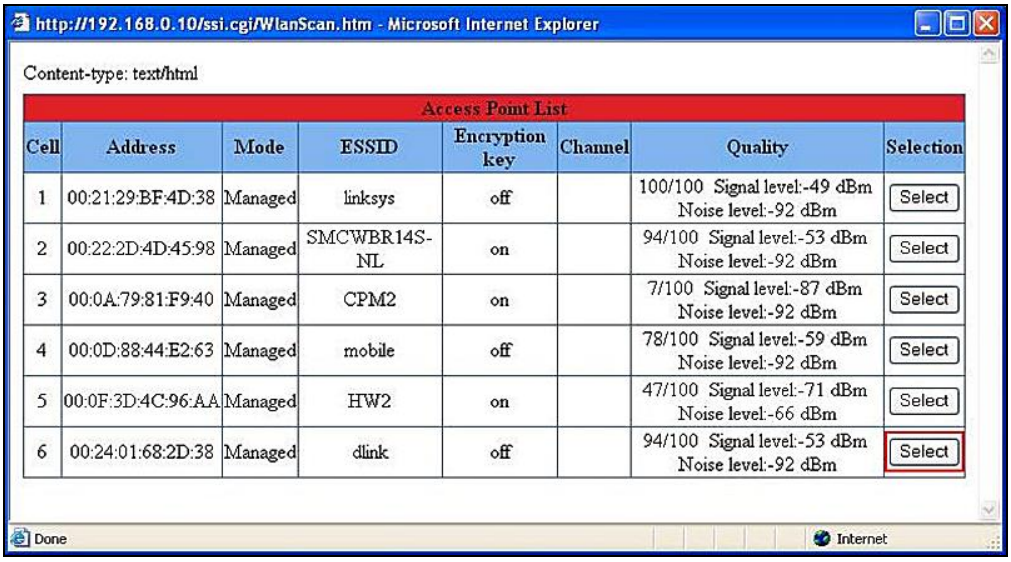


C. Select the network type **Ad Hoc** or **Infrastructure**. The default network type is **Infrastructure**.

- **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.



b. Click **Select** to select the router with which you want to associate.

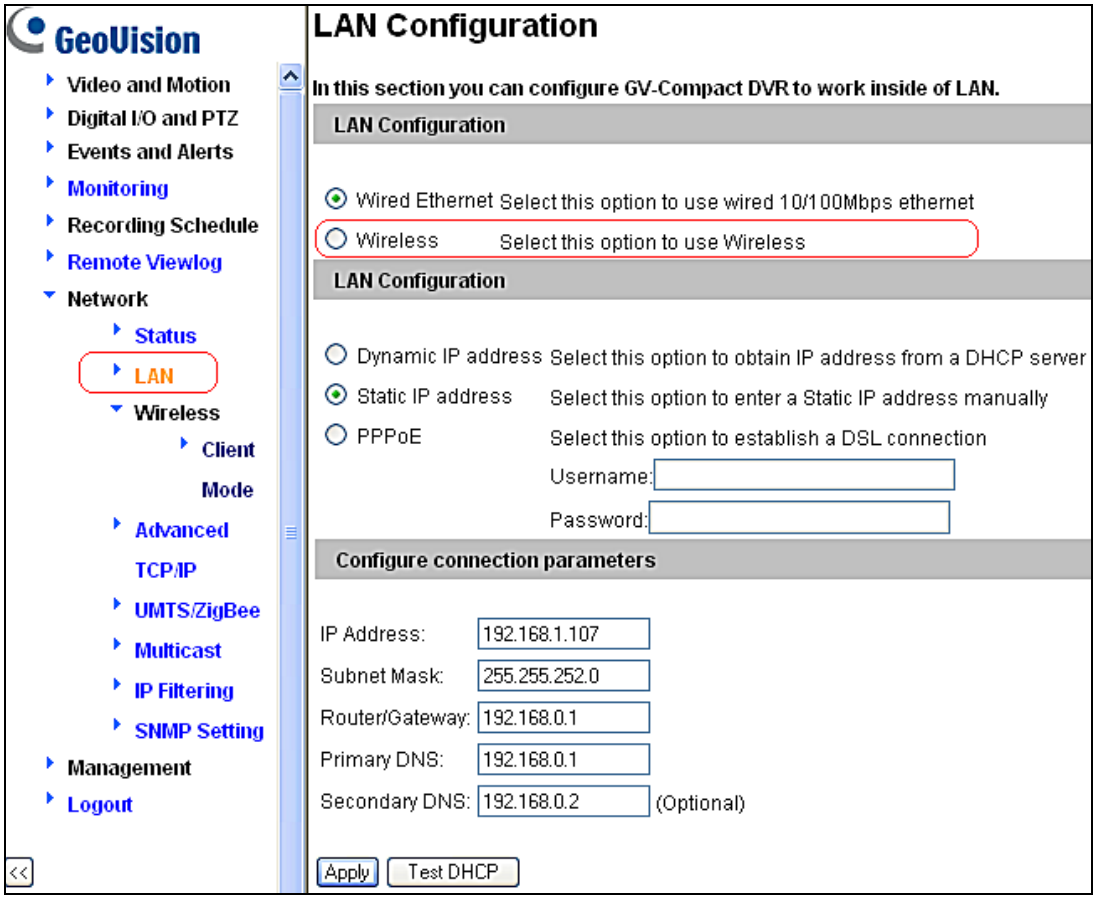
E. Select the network authentication and data encryption in the **Authentication Type** drop-down list. Your encryption settings must match those used by the Access Points or wireless stations with which you want to associate.

- **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.

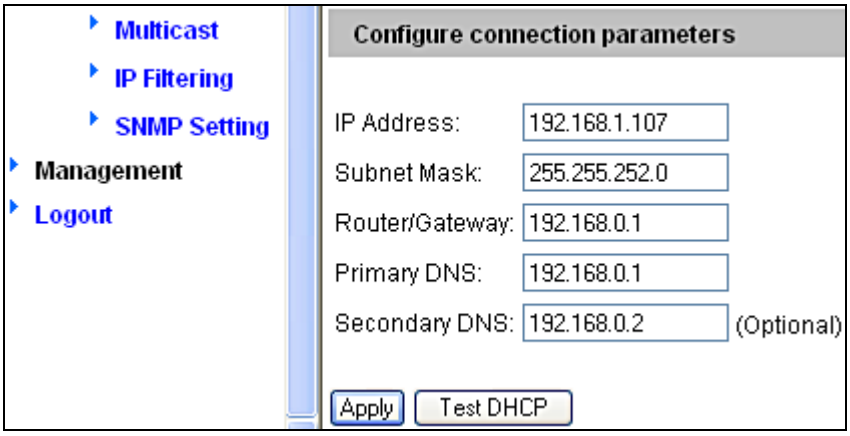


B. Select **Wireless.**

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.

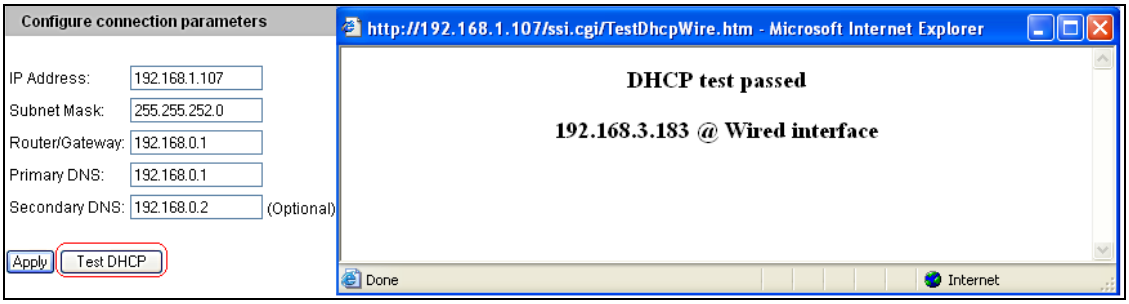


B. Click **Apply**. The configuration is complete.

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.



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.

Specifications

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