

WiFi USB Adaptor

The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Servers or GV-Compact DVRs, to the wireless network. This product complies with IEEE 802.11 b/g/n (Draft 3.0) standards for wireless networking.

Compatible GV IP Devices

The WiFi USB Adaptor is compatible with any of the following hardware and firmware.

- GV-Video Server GV-VS02A (Firmware V1.03 and later)
- GV-Video Server GV-VS04A (Firmware V1.01 and later)
- GV-Video Server GV-VS12 (Firmware V1.03 and later)
- GV-Compact DVR V2 (Firmware V1.04 and later)

Packing List

1. WiFi USB Adaptor
2. Installation Guide

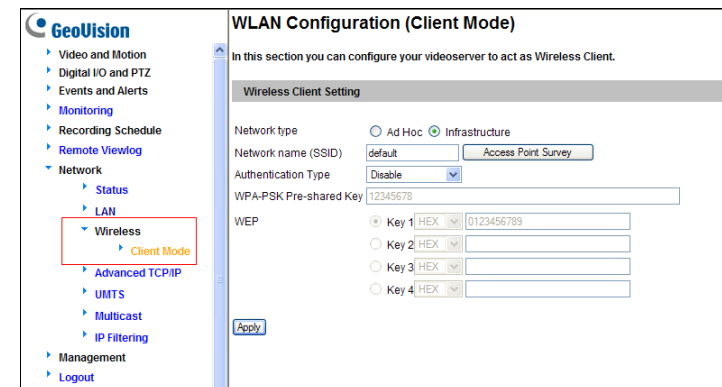
Overview



Wireless Connections

The WiFi USB Adaptor is a plug-and-play device that you don't need to install any driver for the device to work. To configure the GV-Video Server or GV-Compact DVR to be connected to a wireless network, follow the steps below.

1. Connect the WiFi USB Adaptor 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 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.

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	CFM2	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.

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. 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 that always links to the unit's changing IP address.

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 assigned to the GV IP device by DHCP Server may change. To detect the current IP address, you can use the IP Device Utility program on Software CD of the GV IP device.

Specifications

Network Standard	IEEE 802.11 b/g/n (Draft 3.0)
Chipset	Ralink RT3070
Host Interface	USB 2.0 Backward Compatible (Standard-A Type connector)
Operating Frequency	802.11b/g/n (2412 ~ 2484 MHz)
Dimensions (L x W x H)	44.33 x 20 x 7.75 (mm) / 1.75 x 0.79 x 0.31 (in)

Ordering Information

81-W166N-P01