

WP54G/WP54AG Installation Guide

This document helps WILI user to install WILI software (WILI-S) on WP54G board from Complex ?. Within this document you will be guided through WILI installation, licensing and connection.

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Installation Requirements

Software requirement:

- ◇ WILI-Software (WILI-S) for WP54G or WP54AG

Hardware requirements:

- ◇ WP54G1B Board from Complex ?
- ◇ Board details:
 - CPU: ADM5120, 188Mhz
 - RAM: 16 MB
 - FLASH: 4 MB

Network requirements:

- ◇ Internet connection for accessing WILI Remote Configuration Management Server (WILI RCMS) (optional)
- ◇ DHCP server enabled on LAN (optional)

Installation

In this section you will be guided:

- ◇ How to upgrade WP54G board with WILI software (WILI-S software)
- ◇ How to restore original WP54G software

Upgrade WP54G Board with WILI Software

After completing the following simple steps, you will have WILI-S live and running on the dedicated WP54G board.

Step 1. Download purchased WILI WP54G FW from WILIBOX website, Store area. Registration is required to access your store archive.

Step 2. Connect CompeX Wireless-G 54Mbps XR? Access Point (model WP54G) to your laptop or PC with Cat 5 UTP cable.

Step 3. Access CompeX AP HTTP interface. Default settings are:

IP address: 192.168.168.1

Password: Password



Do not forget to adjust your laptop or PC networks settings properly to access WP54G device.

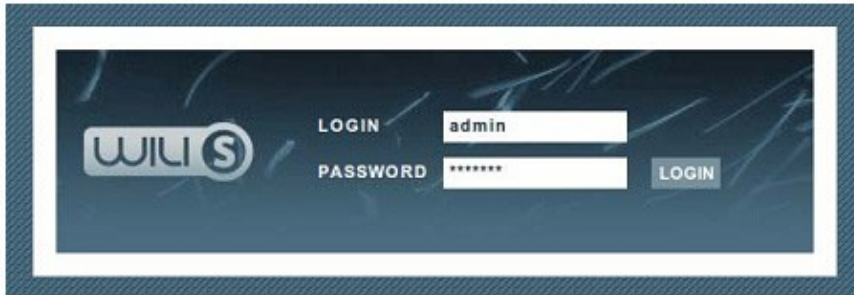
Step 4. Select System Tools -> Firmware Upgrade menu and upload downloaded WILI WP54G FW:

The screenshot shows a web interface titled "Firmware Upgrade". It features a text input field with the label "Upgrade Firmware (path and file name)". The field contains the file path "D:\WP54G\WILI-S.WP54G-16M.v3.54.adm512". To the right of the input field is a "Browse..." button. Below the input field is an "Upgrade" button.

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Step 5. After reboot, WILI software is already installed. Access WILI-based device HTTP interface with following settings:

IP address: 192.168.2.66
Login: Admin
Password: Admin01



Step 6. Upload license key (see the chapter: Licensing Your WILI based Device) using System -> License menu.



License key is essential in order to change configuration.

Step 7. If you want to use only static WAN IP address, disable DHCP service. Go to Configuration menu and change `netconf.1.ip` to desired IP address, 192.168.2.28 in our example:

```
## Setup Static WAN on ETH0  
netconf.1.ip=192.168.2.28
```

To disable DHCP client on WAN interface change status to disabled:

```
## Setup DHCP client on WAN  
dhcpc.status=disabled
```



When you deploy the WILI based device, it looks for a network DHCP server and, if it finds one, obtains an IP Address from the DHCP server. If no DHCP server is found on the network, the AP will continue to use its default Static IP Address (192.168.2.66) until you re-assign it a new static IP address or until a DHCP server is brought online.

Step 8. Reboot device to apply license and configuration changes.

Restore Original WP54G Software

After completing the following steps you will have original WP54G software restored to your device.

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Step 1. Download WP54G original software from provider's website. We assume you will use appropriate software for your model.

Step 2. Connect WILI WP54G to your laptop or PC with Cat 5 UTP cable. Connect to WP54G HTTP interface according your last saved IP configuration. Go to System -> Maintenance menu and upload original WP54G software:

Firmware Upgrade

Current Firmware Version: WILI-S.WP54G-16M.v3.54.adm5120.ath.wili-core.12825.061123.1613

Firmware image:

Step 3. Reboot device and access Compex AP HTTP interface. Default settings are:

IP address: 192.168.168.1

Password: Password



Do not forget to adjust your laptop or PC networks settings properly to access WP54G device.

Step 4. Congratulations, you just successfully restored original WP54G software.

Connect WILI based WP54G to Your Network

To prepare your WILI based WP54G for use only a standard connection setup is needed. See the following list to check if you have everything ready for your network:

- ◇ WILI based WP54G (see sections above how to prepare your WILI based WP54G)
- ◇ Internet connection
- ◇ DHCP server enabled on LAN (optional)
- ◇ Administrator computer
- ◇ WILI client (e.g. your laptop with wireless connection)

Standard Connection Setup

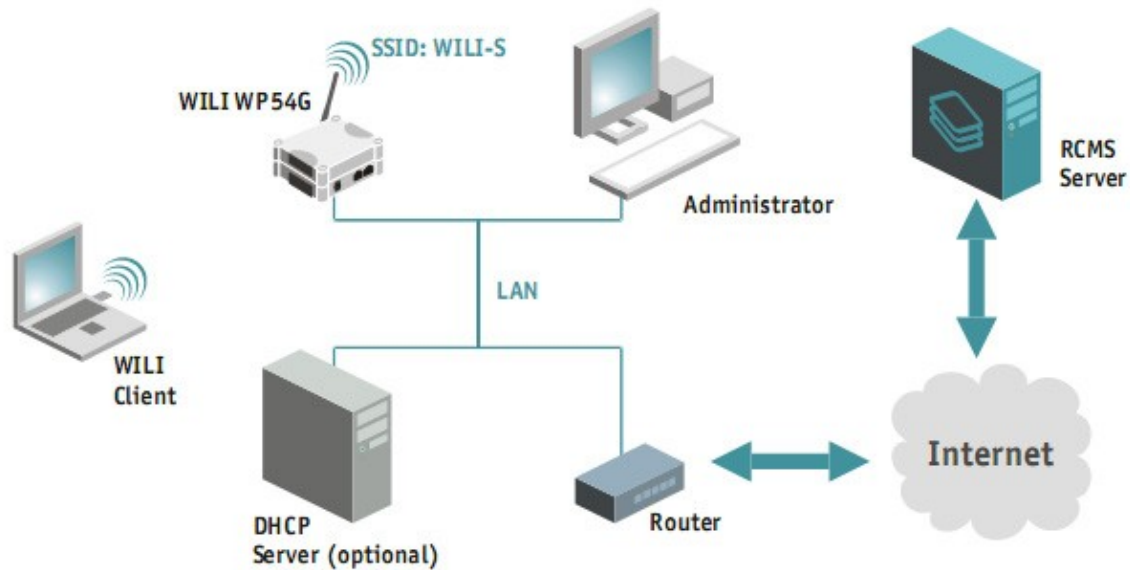
Connect WILI based WP54G to your network as shown in scheme below. RCMS server is an optional product revealing the full functionality of WIL based device monitoring and management but it is not mandatory.

Follow the instructions to prepare your WILI based device ready for use:

Step 1. Connect device to the same LAN as Administrator computer. Your local network should have the Internet connection.

Step 2. Make sure the DHCP server is enabled on your network and WILI based WP54G is on the same LAN. WILI based WP54G is DHCP client by default. If there is no DHCP server running on your network, the WILI-S based WP54G will respond to the static IP address 192.168.2.66

Step 3. Prepare WILI client: make sure wireless communication is switched on. Connect to wireless network with SSID: WILI-S.



Licensing Your WILI based Device

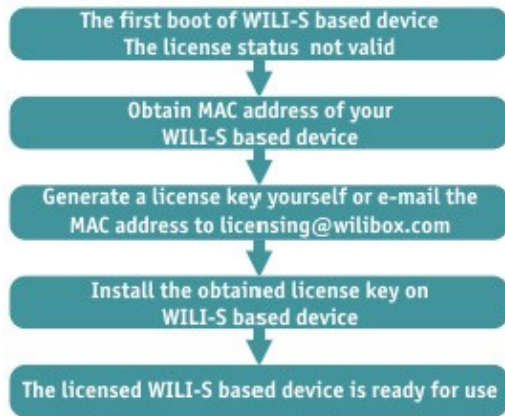
After having purchased WILI you get a license key. This key need to be uploaded on WILI based device at once. Once you have licensed WILI it unlocks all functionality and can be used for unlimited period of time. After licensing the device it will be set to a valid licensing status and you will get the full scope of benefits:

- ◇ Full functionality of the purchased WILI firmware release
- ◇ 1-year free service release updates according to the purchased WILI firmware revision. During this year any of service release firmware revisions can be used for the unlimited period of time.
- ◇ 2-weeks support assistance: 10 business days, up to 5 hours, e-mail communication and answer provided within 2 business days.

WILI firmware you have purchased comes with no license included (not valid status). This status provides only a very limited functionality:

- ◇ It runs only with a default configuration. Only a single BSSID is allowed; DHCP client runs on WAN interface, DHCP servers run on LAN and Wireless interfaces.
- ◇ It is impossible to change the configuration. All features are locked down until a valid license is presented. Any changes made in configuration will be stored in the flash memory of the device. Thus only a default setting will be used after the reboot.

Follow the simple diagram on how to license your WILI device:



Technical Support

If you have any problems, contact Wiligear for assistance at support@wiligear.com