



SIGNAL BOOSTERS WiFi CampPro 2 Long Range WiFi Repeater Kit User Manual

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Interdiction

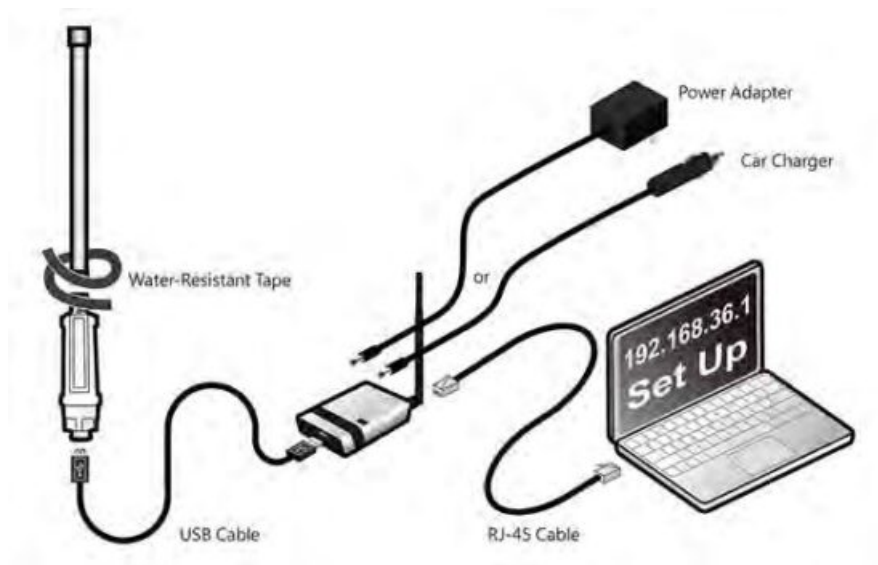
The WiFi CampPro 2 is the new innovative solution for WiFi Hotspot extension. It will help to you to extend WiFi Hotspot internet connection to your multiple devices such as pads, smartphones, and laptops.

Hardware Contents



Hardware Installation

Note: Please connect USB cable with Indoor device and outdoor USB device before plug-in power adapter



Configuration

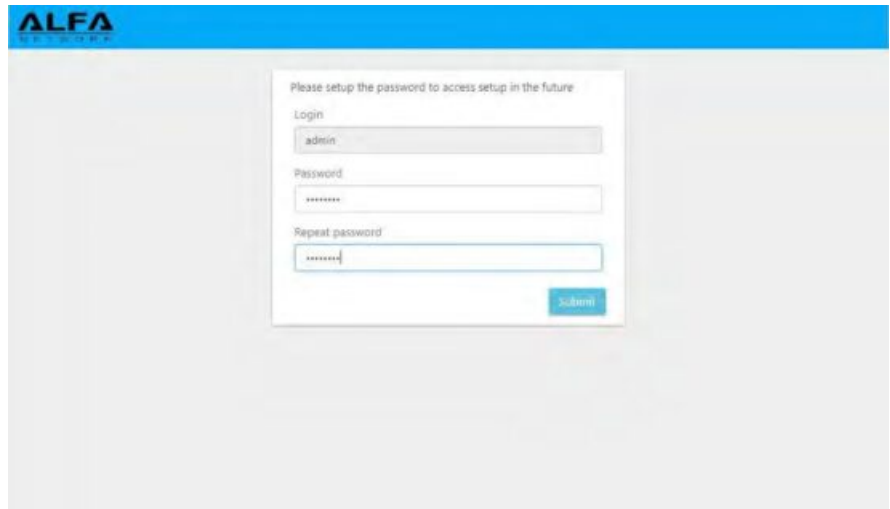
Follow the below easy setup steps to set up your WiFi CampPro 2

1. Login Page

When first-time setup your WiFi CampPro 2, you must set up your own password (for security reasons can not allow below 8 characters) to access the setup

2. After you set up your own password, click the “ Submit” button to go to the setup page (it will be the required


password for future setup)



The image shows a web interface for setting a password. At the top, there is a blue header with the 'ALFA' logo. Below it, a white box contains the text 'Please setup the password to access setup in the future'. Inside this box, there are three input fields: 'Login' with 'admin' entered, 'Password' with '*****' entered, and 'Repeat password' with '*****' entered. A blue 'Submit' button is located at the bottom right of the white box.

3. When your WiFi CampPro 2 hardware installs properly, you should see below network discovery page.

Note: if you don't see this page, please go to the troubleshooting section at the last section of the user manual



	Network Name (SSID)	Signal	CH	MAC
	WISP-NR	<div><div></div></div>	7	00:C0:CA:87:3F:BC
	Longwell	<div><div></div></div>	11	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	2	00:0C:29:00:00:00
	Alfa hotspot	<div><div></div></div>	6	00:0C:29:00:00:00
	80_2G	<div><div></div></div>	6	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	1	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	11	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	10	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	4	00:0C:29:00:00:00
	WiFiCampPro2-PM	<div><div></div></div>	1	00:C0:CA:A5:09:9B
	WISP-NR	<div><div></div></div>	6	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	2	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	6	00:C0:CA:00:0A:0B
	192.168.10.Ridina	<div><div></div></div>	9	00:0C:29:00:00:00

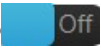
4. Pick up the Hotspot AP you wish to connect to and click the “Select” button



	Network Name (SSID)	Signal	CH	MAC
	WISP-NR	<div><div></div></div>	7	00:C0:CA:87:3F:BC
	Longwell	<div><div></div></div>	11	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	2	00:0C:29:00:00:00
	Alfa hotspot	<div><div></div></div>	6	00:0C:29:00:00:00
	80_2G	<div><div></div></div>	6	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	1	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	11	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	10	00:0C:29:00:00:00
	WISP-NR	<div><div></div></div>	4	00:0C:29:00:00:00
	WiFiCampPro2-PM	<div><div></div></div>	1	00:C0:CA:A5:09:9B
	WISP-NR	<div><div></div></div>	6	00:0C:29:00:00:00

5. ① Type in Hotspot Password if required by your selected Hotspot

② Also, required to set up your own WiFi CampPro 2 Wireless Password for the device to wireless connect your WiFi CampPro 2

Note: ③ If Hotspot has many same Name APs and you want to Lock to a specified Hotspot AP, you can select the Lock Hotspot MAC button to lock the AP 

ALFA SYSTEM STATUS: LIVE/INITIALIZE
Firmware Version: v1.10.105

Hotspot configuration
Connect your CampPro to camp ground or other Wi-Fi signal

Hotspot Name: 80_2G

Click here to pick the network you want to extend

Lock Hotspot MAC: ☒ Off Only try to connect this AP

Encryption: WPA2-PSK

Hotspot Password:

Enter the password for the network you are extending (if you do not know it, contact your camp ground support)

Network Type: Dynamic (DHCP)

Hostname: WiFiCampPro2

DNS server: Auto

Internet configuration

Network Name: WiFiCampPro2-A56BE8

Network Password:

password must be at least 8 characters long

[<< BACK](#) [FINISH >>](#)

ALFA Network Inc.

6. After filling in all required information, then click the “Finish” button

Hotspot configuration
Connect your CampPro to camp ground or other Wi-Fi signal

Hotspot Name: 80_2G

Click here to pick the network you want to extend

Lock Hotspot MAC: ☒ Off Only try to connect this AP

Encryption: WPA2-PSK

Hotspot Password:

Enter the password for the network you are extending (if you do not know it, contact your camp ground support)

Network Type: Dynamic (DHCP)

Hostname: WiFiCampPro2

DNS server: Auto

Internet configuration

Network Name: WiFiCampPro2-A56BE8

Network Password:

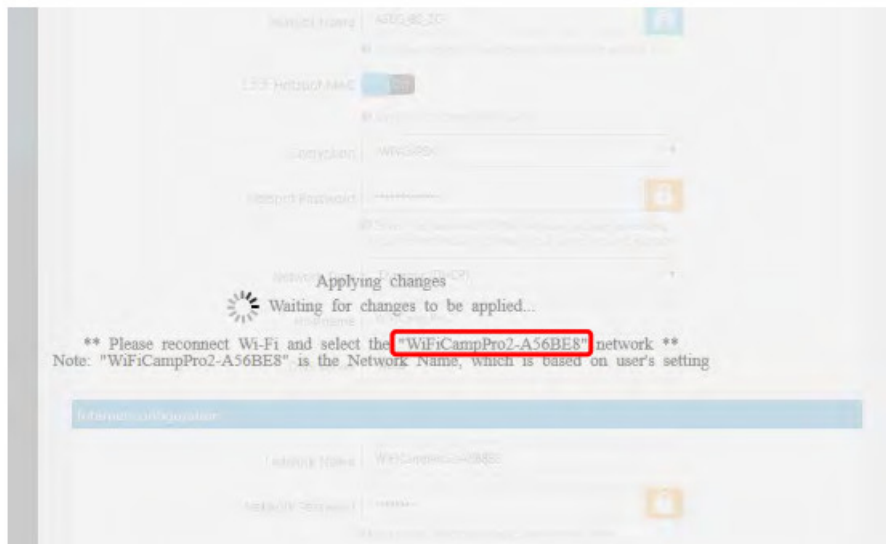
password must be at least 8 characters long

[<< BACK](#) [FINISH >>](#)

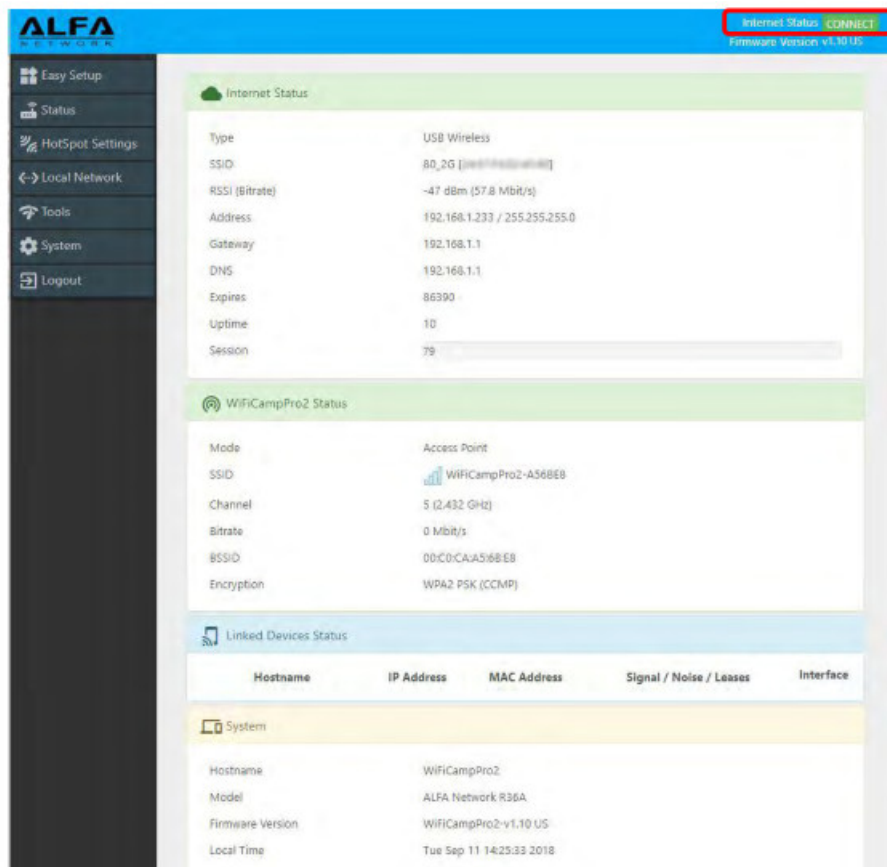
ALFA Network Inc.

7. The WiFi CampPro 2 will reboot after finished setup

Note: Please reconnect your WiFi with the correct SSID and Network Password





8. After successful setup, you will see a status page with green "Connected" information



Function Menu Description

1. Easy Setup

The screenshot displays the configuration page for WiFiCampPro2. On the left is a sidebar with navigation options: Easy Setup, Status, HotSpot Settings, Local Network, Tools, System, and Logout. The main content area is divided into two sections: 'Hotspot configuration' and 'Internet configuration'. The 'Hotspot configuration' section includes fields for 'Hotspot Name' (with a scan icon), 'Lock Hotspot MAC' (a toggle switch set to 'On'), 'Encryption' (a dropdown menu showing 'WPA2-PSK'), 'Hotspot Password', 'Network Type' (a dropdown menu showing 'Dynamic (DHCP)'), 'Hostname' (set to 'WiFiCampPro2'), and 'DNS server' (set to 'Auto'). The 'Internet configuration' section includes 'Network Name' (set to 'WiFiCampPro2-A568E8') and 'Network Password'. At the bottom are 'BACK' and 'NEXT' buttons.

- Hotspot Name: By clicking the  scan and selecting the name of the Hotspot AP to connect.
- Lock Hotspot MAC: When clicking  Only the MAC of this Hotspot AP allows accessing the internet

Hotspot MAC

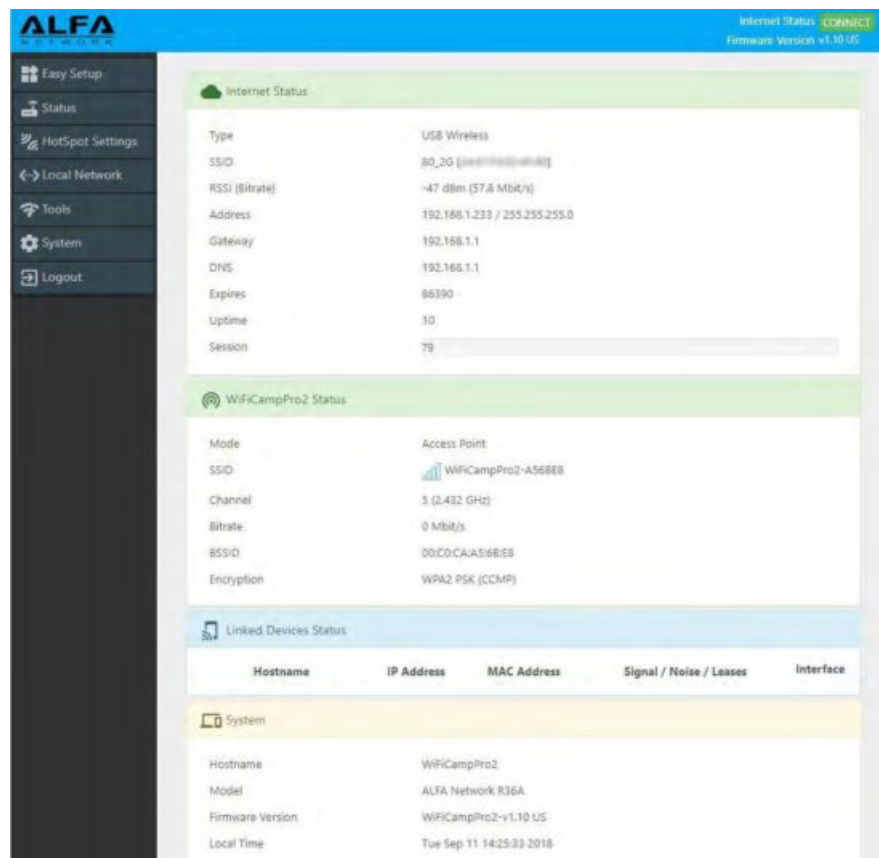
- Encryption: It shows automatically when the Hotspot SSID was scanned

This image shows a dropdown menu for selecting encryption. The currently selected option is 'WPA-PSK'. The menu is open, showing a list of supported encryption types: 'No Encryption' (highlighted in blue), 'WEP Open System', 'WEP Shared Key', 'WPA-PSK', 'WPA2-PSK', 'WPA-PSK/WPA2-PSK Mixed Mode', 'WPA-EAP', and 'WPA2-EAP'.

Here are the supported Encryptions

- Hotspot Password: Just type the Hotspot password to connect the Hotspot.
- Network Type: 5 Types of Hotspot networks are supported Static (Fixed), Dynamic(DHCP), L2TP,PPPoE and PPTP
- Hostname: WiFiCampPro2 is the default hostname or name another for your own preference.
- DNS server: You can Manual add another DNS server list or by Auto

2. Status:



- **Internet Status** **CONNECT** The Hotspot was successfully connected to your WiFiCampPro2
- **Internet Status** Now you can get the IP address from the Hotspot DHCP Server, RSSI readings, and other info.
- **WiFiCampPro2 Status** Your local WiFi Network info.

3. HotSpot Settings



- It contains a history of the Profiles that were saved from the previous Hotspot connection. You can Enable **On**, Edit , Delete or Add to each profile.
- **Edit Profile** Inside the profile you can set up HotSpot MAC, Password/Passkey, Type of Network, IP address, Netmask, Gateway, and DNS Server list.



Note: if you have changed any configuration, please click Apply to save the setting.

4. Local Network

- Wired Network

- Wired Network Configuration: You can set Static Address or DHCP Client to log on to your CampPro2 Webpage setting menu.

Note: The default IP address is 192.168.36.1

- DHCP Server: If Enable. You can set the Start IP address, Limit the number, and Lease the time of subscribers.

Note: Force enables DHCP on this network even if another server is detected. Or Disable it.

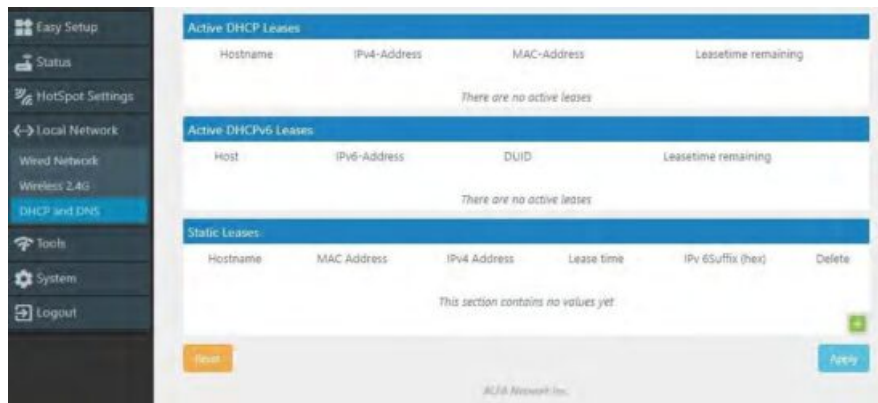
Wireless 2.4G

- Wireless Basic Configuration: Radio On/Off, HT Mode(None HT, HT20, HT40 Auto) , Channel selection, Transmit Power (0 to 23 dBm) and Use ISO/IEC 3166 alpha2 Country codes (00 World – W Zimbabwe)
- Wireless AP Mode Configuration: SSID, MAC Address Filter, Hide SSID, and WMM mode. The Encryptions support as follow

No Encryption

WEP Open System
WEP Shared Key
WPA-PSK
WPA2-PSK
WPA-PSK/WPA2-PSK Mixed Mode
WPA-EAP
WPA2-EAP

DHCP and DNS



- Active DHCP Leases: Current active client users list. It shows the name, IP, MAC, and lease time remaining.

Active DHCP Leases				
Hostname	IPv4-Address	MAC-Address	Leasetime remaining	
android-75576a5f2eb5200b	192.168.36.100	5c:70:a3:24:b1:88	9h 0m 25s	
NB-DELL6400	192.168.36.183	00:21:6a:01:db:36	11h 45m 24s	

- Active DHCPv6 Leases: No Active IPv6 User lease.

Active DHCPv6 Leases			
Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases			

- Static Leases: You can add or delete Static leases.

Static Leases						
Hostname	MAC Address	IPv4 Address	Lease time	IPv 6Suffix (hex)	Delete	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Delete"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Delete"/>	

00:c0:ca:87:3f:ba (192.168.3.20)
5c:70:a3:24:b1:88 (192.168.36.100)
00:21:6a:01:db:36 (192.168.36.183)

Tools: Some Network Utilities for testing Internet status.



- Ping: IPv4

```
PING www.alfa.com.tw (104.27.131.56): 56 data bytes
64 bytes from 104.27.131.56: seq=0 ttl=55 time=157.599 ms
64 bytes from 104.27.131.56: seq=1 ttl=55 time=156.571 ms
64 bytes from 104.27.131.56: seq=2 ttl=55 time=160.886 ms
64 bytes from 104.27.131.56: seq=3 ttl=55 time=156.031 ms
64 bytes from 104.27.131.56: seq=4 ttl=55 time=159.439 ms

--- www.alfa.com.tw ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 156.031/158.105/160.886 ms
```

- Traceroute: IPv4

```
traceroute to www.alfa.com.tw (104.27.130.56), 30 hops max, 38 byte packets
 1 192.168.3.20  4.713 ms
 2 192.168.1.1  6.832 ms
 3 168.95.98.254 15.429 ms
 4 168.95.85.6  9.863 ms
 5 220.128.4.134 7.931 ms
 6 220.128.14.97 6.966 ms
 7 220.128.6.101 21.636 ms
 8 202.39.91.21 154.493 ms
 9 202.39.84.86 154.556 ms
10 141.101.72.250 155.804 ms
11 104.27.130.56 154.577 ms
```

- Nslookup:

```
Server:          127.0.0.1
Address:         127.0.0.1#53

Name:           www.alfa.com.tw
Address 1:      104.27.130.56
Address 2:      104.27.131.56
Address 3:      2400:cb00:2048:1::681b:8238
Address 4:      2400:cb00:2048:1::681b:8338
```

System

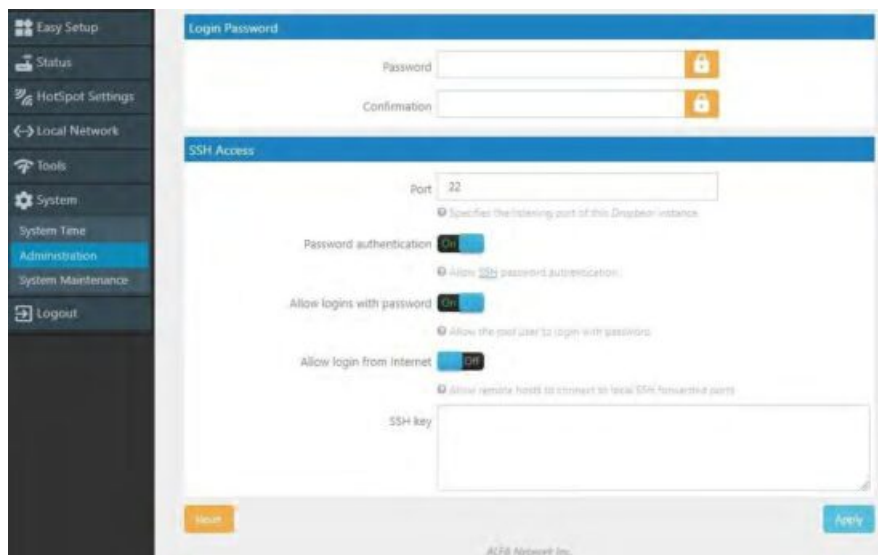
- System Time



- System Properties: You can set the Time Zone and Sync with the browser.
- Time Synchronization: Enable NTP Client and Server.
Add or delete NTP server candidates.

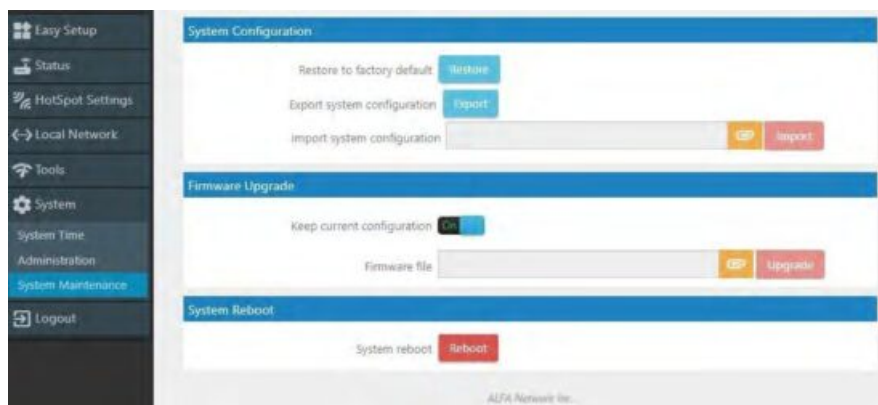


Administration:

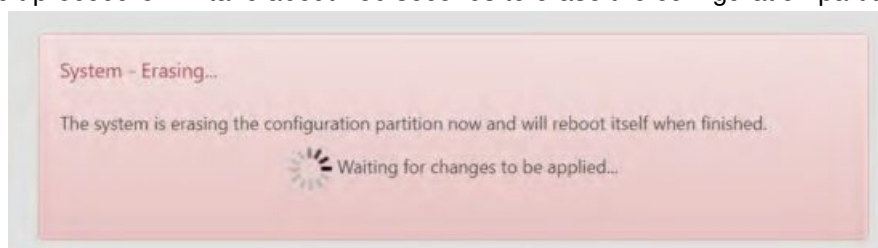


- Login Password: Change your login password.
- SSH Access: Setting listening Port. Allow login from the Internet. (Remote hosts to connect to local SSH forwarded)

System Maintenance:



System Configuration: Restore to factory default. Export or import system configuration.
The restore to default procedure will take about 180 seconds to erase the configuration partition and reboot.



After rebooting login 192.168.36.1 and set up the new password again for later Webpage access.

Please setup the password to access setup in the future

Login

admin

Password

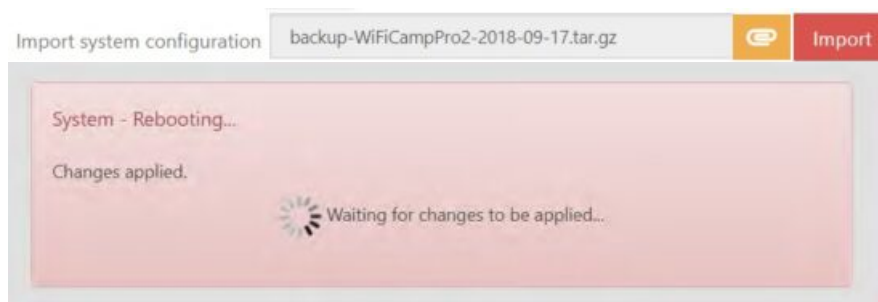
.....

Repeat password

.....

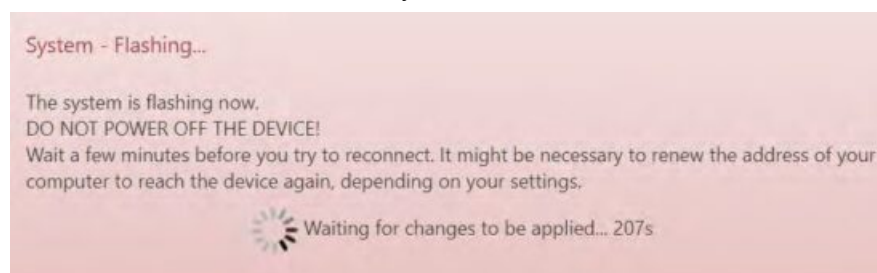
Submit

Select the exported file and import the configuration.



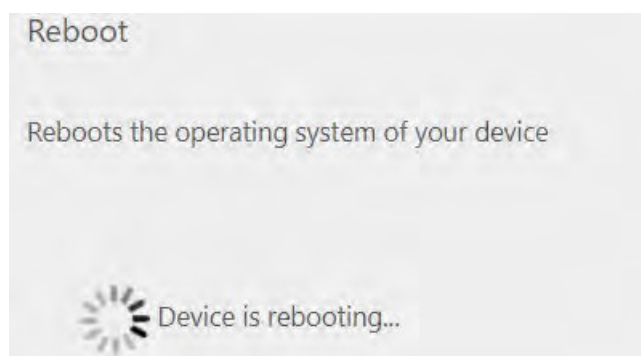
The pre-saved configuration will be back after the system reboot.

- Firmware Upgrade. Select the firmware file and upgrade it. You can either keep the current configuration or the default setting. It takes about 240 seconds for the system to flash.



Note: You don't have to remove the USB WLAN Adapter while upgrading firmware.

- System Reboot: Take about 180 seconds to reboot.



It wills lost LAN connection when the system is rebooting.

Connection lost

The **Device connection lost**.

Please check your connection again.

Logout



It shows the Login required and clicks Login to continue.

Login Required

Username

admin

Password

.....

Note: If you forgot your password, please reset device to factory default by pushing the reset button 10 seconds


Login

After Login it shows the whole WiFiCampPro2 Status.


Internet Status

Type	USB Wireless
SSID	WISP-NR [00:C0:CA:87:3F:BC]
RSSI (Bitrate)	-25 dBm (39 Mbit/s)
Address	192.168.3.22 / 255.255.255.0
Gateway	192.168.3.20
DNS	192.168.3.20
Expires	28209
Uptime	591
Session	80


WiFiCampPro2 Status

Mode	Access Point
SSID	 CampPro2AlfaHotspot
Channel	1 (2.412 GHz)
Bitrate	36 Mbit/s
BSSID	00:C0:CA:96:35:EA
Encryption	mixed WPA/WPA2 PSK (CCMP)

Linked Devices Status

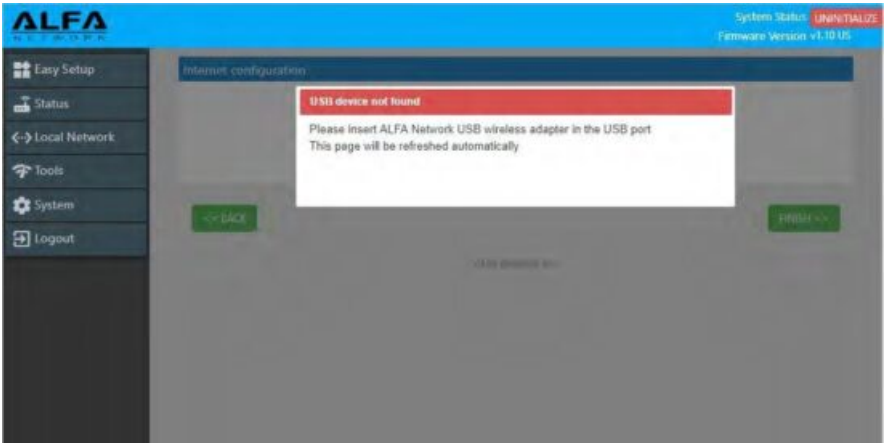
Hostname	IP Address	MAC Address	Signal / Noise / Leases	Interface
android-75576a5f2eb590706	192.168.36.105	C7:0A:32:4B	 -48.7 / -95.8 dBm	↔
NB-DELL6400	192.168.36.23	00:21:70:AE:5F:D8	11h 49m 34s	↔

System

Hostname	WiFiCampPro2
Model	ALFA Network R36A
Firmware Version	WiFiCampPro2-v1.10
Local Time	Mon Sep 17 07:23:37 2018
Uptime	0h 10m 39s
Memory Available	 16832 KB / 65536 KB


Troubleshooting:

If you see the below screen information, Please insert the ALFA USB WLAN adapter on the USB port before powering on your WifiCampPro2. Otherwise, the webpage will show USB devices not found.



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Documents / Resources

<div><div><div><div><div><div></div><div>WiFi CampPro 2</div><div>User Manual</div><div>101</div></div></div><div><div>SignalBooster.com</div><div>© 2018-2024</div></div></div></div></div>	<div><div><div><div><div><div>SIGNAL BOOSTERS WiFi CampPro 2 Long Range WiFi Repeater Kit</div><div>[pdf] User Manual</div></div></div><div>WiFi CampPro 2, Long Range WiFi Repeater Kit, WiFi CampPro 2 Long Range WiFi Repeater Kit</div></div></div></div>
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References

-  [Signal Booster & Installation Service | SignalBooster.com](https://SignalBooster.com)

Manuals+.