123 Manual, LP-1540ai High Powered 300 Mbps Access Point for the 2.4 GHz WiFi band for Outdoor service, PoE powered with Multiple Physical and Virtual interfaces that supports VLAN and has an EIRP of 27dBm (0.5W). Recovery of the LP-1540ai to its original AP+BRIDGE MODE + DHCP CLIENT default configuration.

LP1540ai_M123_ENC01W

300 Mbps

2.4 GHz

9341 Atheros

EIRP 27 dBm

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Wireless - Equipment - 123 Manual, LP-1540ai High Powered 300 Mbps Access Point for the 2.4 GHz WiFi band for Outdoor service, PoE powered with Multiple Physical and Virtual interfaces that supports VLAN and has an EIRP of 27dBm (0.5W). Recovery of the LP-1540ai to its original AP+BRIDGE MODE + DHCP CLIENT default configuration.

1 **Please check the package contents which should contain:**

a.- One LP-1540ai Access Point

b.- One AC/DC power converter with 110 V to 220VA input and 12 VDC output

c.- One Patch Cord

d.- One Documentation CD.

e.- One passive PoE injector.

As shown in **Figure 1.**   **Figure 1**

2 **Purpose of this 1 2 3 Manual:**

In this 123 Manual we will explain how to perform the recovery of the **LP-1540ai** to its original AP+BRIDGE MODE + DHCP CLIENT default configuration. On this mode, the LP-1540ai radio would be supplying internet to the surrounding areas, just plug in ANY port of a given network. No need for special configurations. This is one of the most popular and versatile configurations available. Also, you can download the template for a faster configuration process.

For other options, please consult the available M123's in our site: at **www.lanpro.com**. Please proceed to physically connect the equipment as per the chosen configuration shown in **Figures 2.1, 2.2, 2.3 and 2.4.**
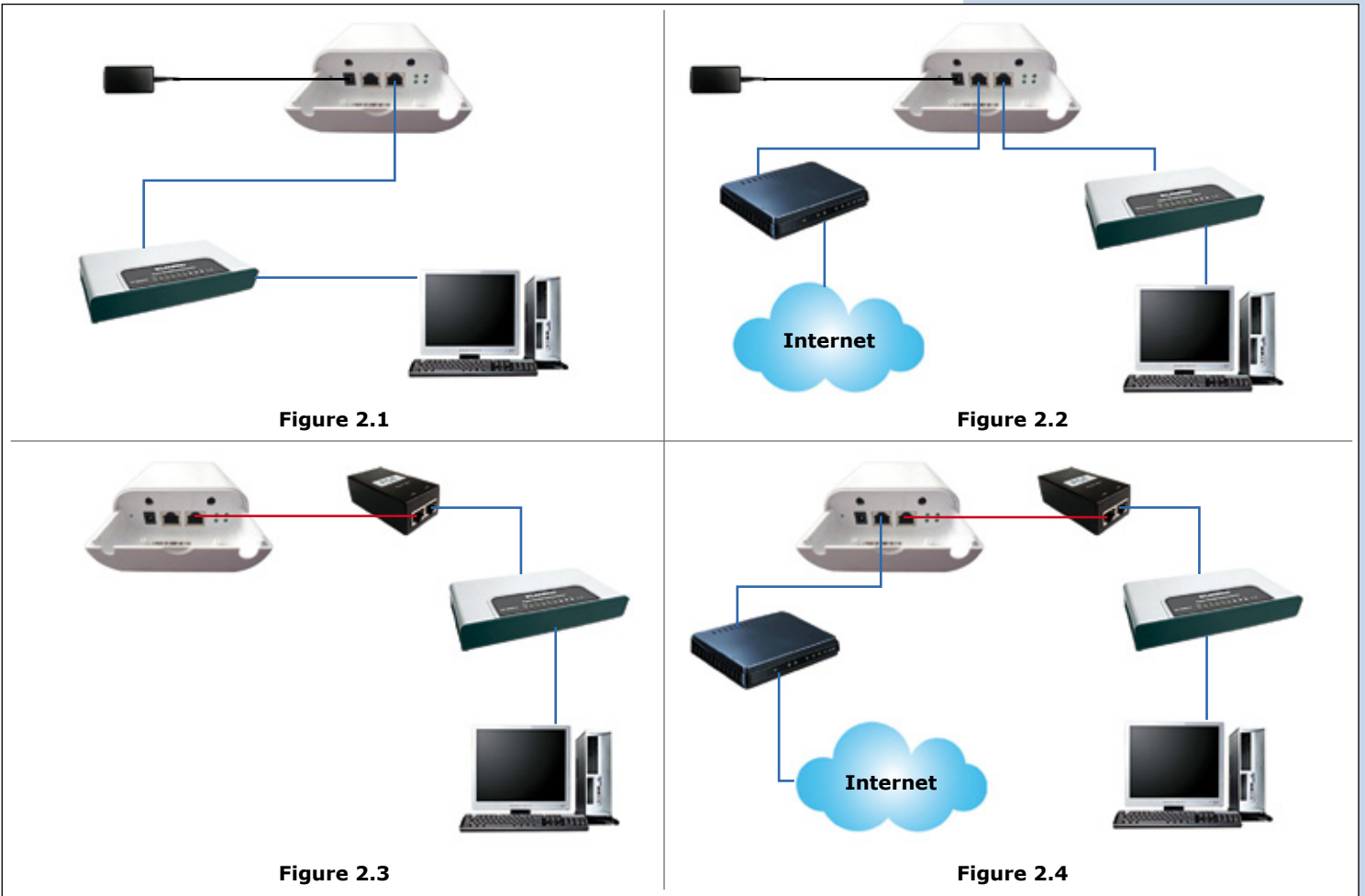
Figure 2.1

Figure 2.2

Internet

Figure 2.3

Figure 2.4

Internet

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3

Please proceed to remove the base as shown in **Figure 3** in order to start the installation.

Figure 3

4

Fix the equipment on the selected location, as shown in **Figure 4.**

Figure 4

5

CAUTION:

You must decide how to power the LP-1540ai, via the AC mains power supply or through the PoE option. Please take the precaution of not powering the equipment through both ways because the equipment can be damaged.

6

Remember that a network connection and AC mains should be available at the location where the LP-1540ai is going to be installed or the network plus PoE power circuit connection.

7

Proceed to connect the **LP-1540ai** as shown in paragraph **number 4.**

8

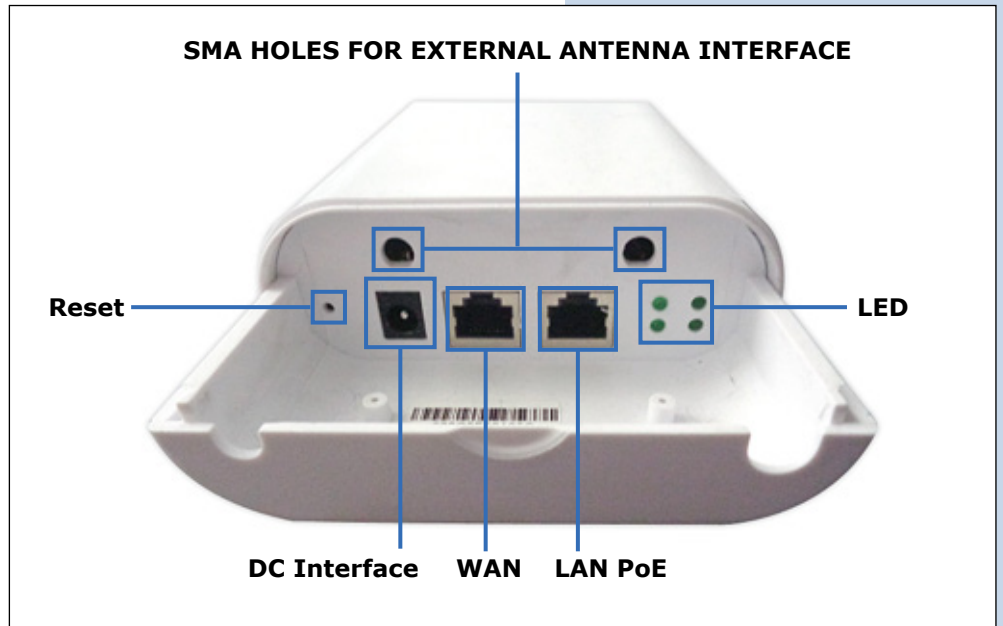Once connected, please proceed to configure it.

9

Connect the PC or Laptop to the data network where the **LP-1540ai** is connected, as shown in **Figures 2.1** through **2.4.**

10 **Please reset the unit, before the following steps:**

Equipment connection diagram:

SMA HOLES FOR EXTERNAL ANTENNA INTERFACE

Figure 5 **Reset**   **LED**

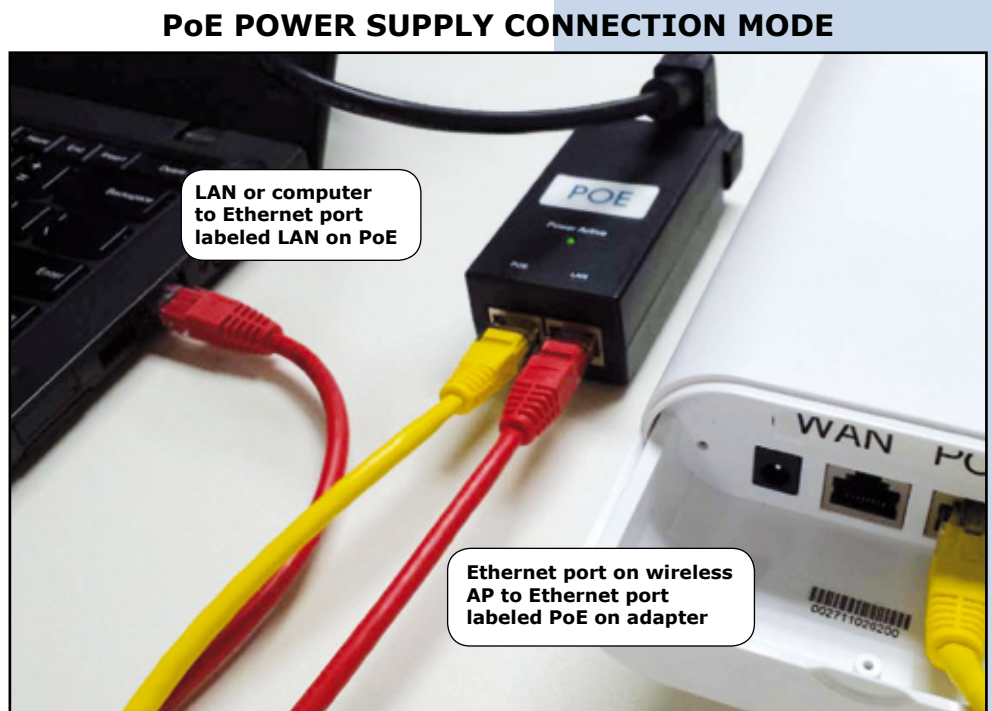**DC Interface** **WAN** **LAN PoE**

PoE POWER SUPPLY CONNECTION MODE

Real life scenario.
Red cable to Ethernet port on the computer and to LAN PORT on the PoE injector, (red cable) and then from the PoE port on the injector to the POE port on the **LP-1540ai** radio. As you see, in the **Figure 6**, no power supply needed to power-up the unit.

LAN or computer to Ethernet port labeled LAN on PoE

Ethernet port on wireless AP to Ethernet port labeled PoE on adapter

Figure 6

WAN

CAUTION:
Please DO NOT use and external power adapter if you are using de POE injector.

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11   **STEP 1. WINDOWS CONFIGURATION   / Administrator privileges required.**

Go to Windows Start

When box pops –up type: **Network and Sharing**, as shown in **Figure 7.**
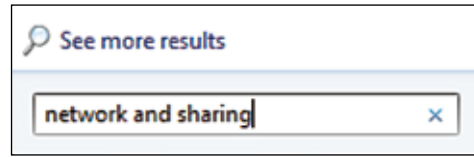
Figure 7

Then select option Control Panel as shown if **Figure 8** and select Network and sharing Center.
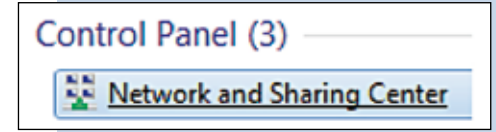
Figure 8

12

In Network and Sharing Center go to **Connect and disconnect** and click on the option **Local area Connection**, as shown in **Figure 9.**
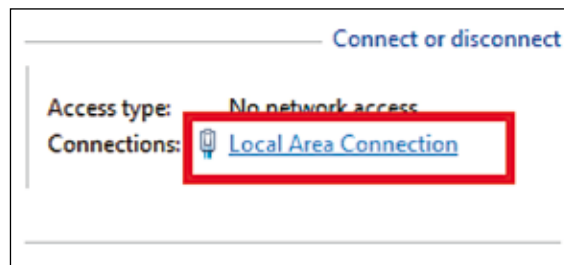
Figure 9

13

In the **Local area Connection Status** window select **Properties**, as shown in **Figures 10 and 11.**

Figure 10

Figure 11

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Wireless - Equipment - 123 Manual, LP-1540ai High Powered 300 Mbps Access Point for the 2.4 GHz WiFi band for Outdoor service, PoE powered with Multiple Physical and Virtual interfaces that supports VLAN and has an EIRP of 27dBm (0.5W). Recovery of the LP-1540ai to its original AP+BRIDGE MODE + DHCP CLIENT default configuration.
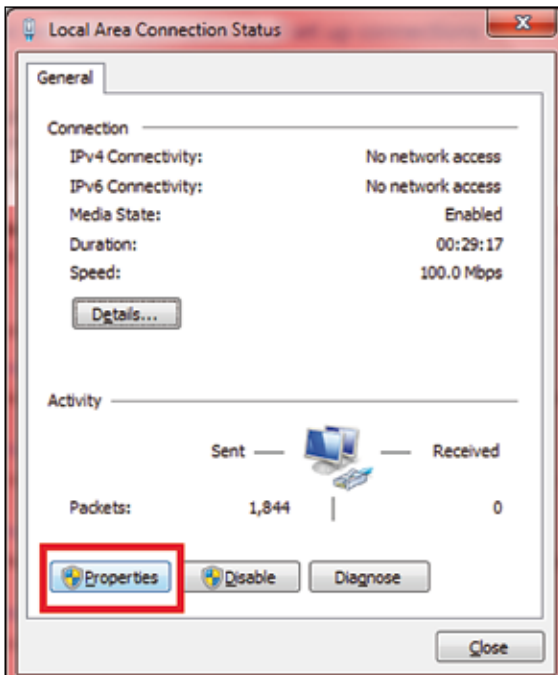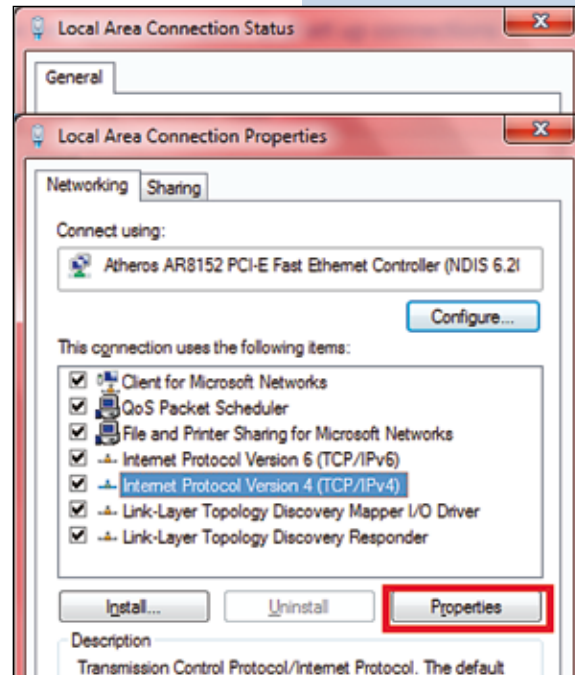
14

In the Local Area Connection Status window, select the option **Internet Protocol version 4 (TCP/IPv4)** and then **Properties**, please be sure that everything is checked as show in **Figure 12** in which these are the options by default:
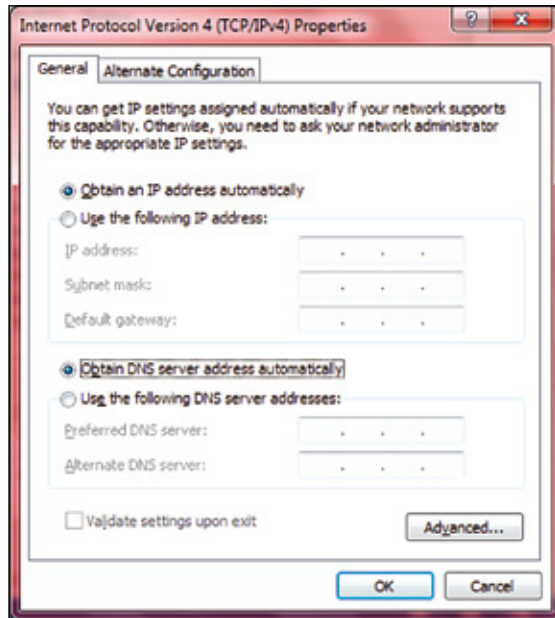
Figure 12

15

Please select option **Use the following IP address:** and use these parameters shown in **Figure 13** and hit **OK**.
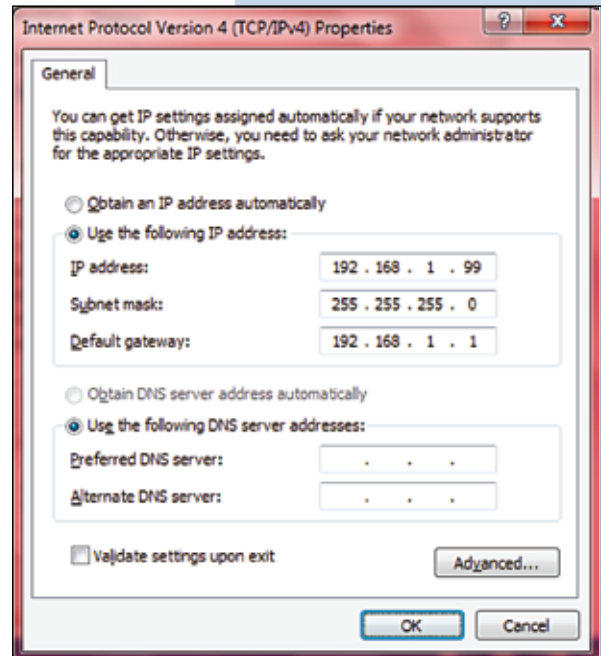
Figure 13

16

You will be able to manage your LANPRO **LP-1540ai** by opening your preferred browser in this address: **http://192.168.1.1**, as shown in **Figure 14**, and using these credentials: **Username: admin, Password: admin and selecting Login.**
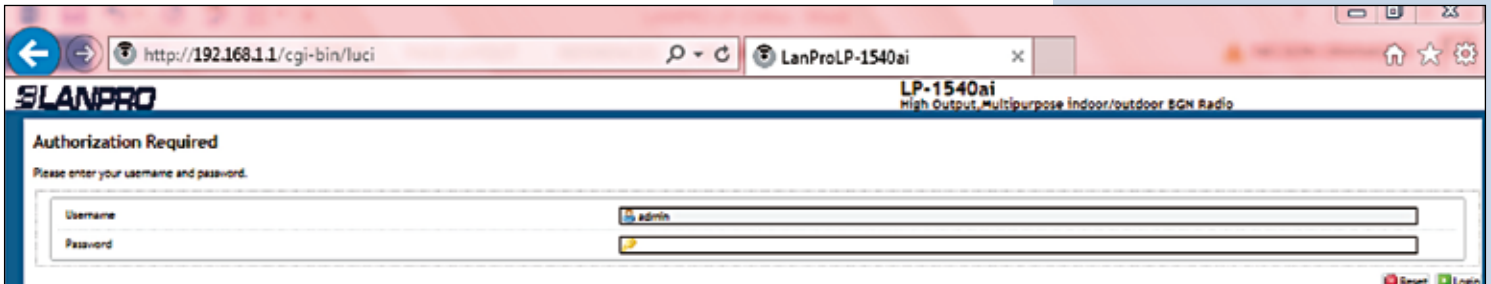
Figure 14

17

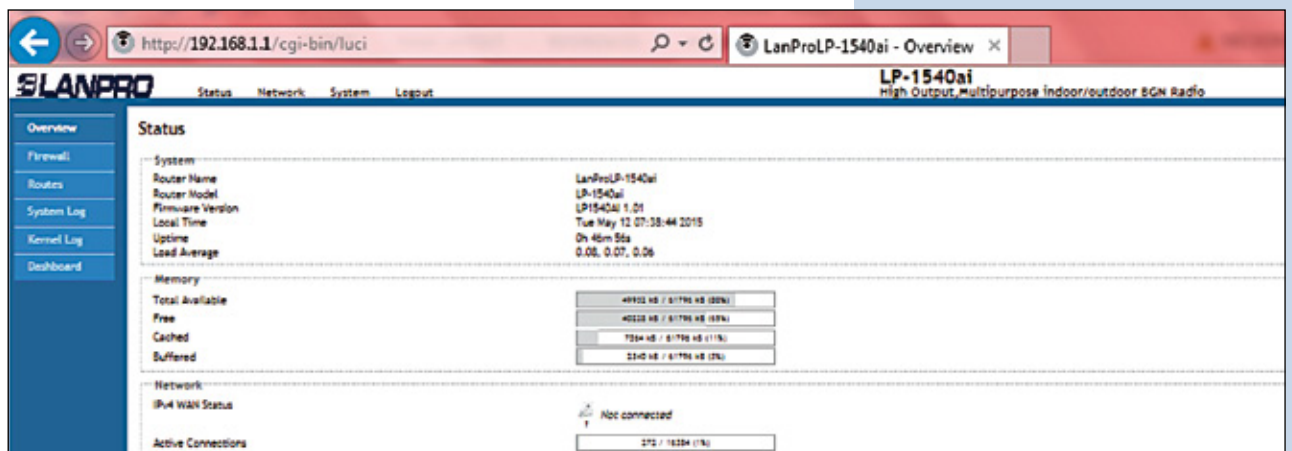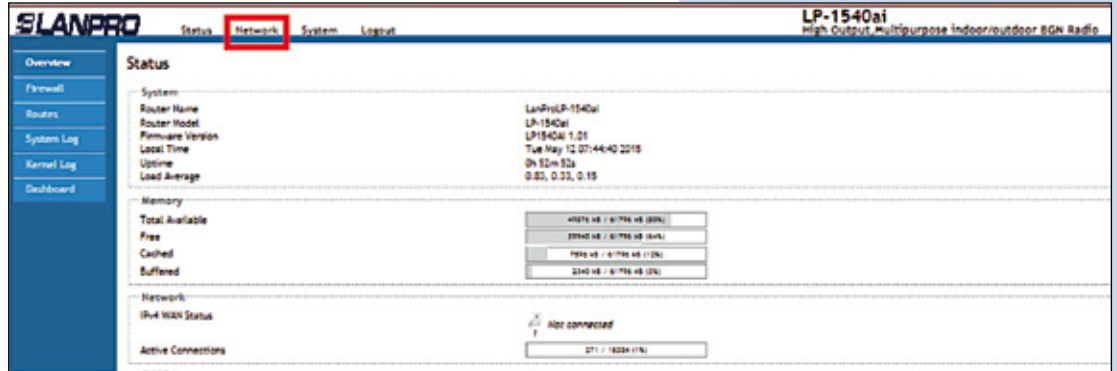The main LanPro L**P-1540ai** configuration page will pop-up as shown in **Figure 15.**

Figure 15

18 STEP 2.   How to use the LP-1540ai as an Access Point.

Please follow the next procedure:

the page shown in **Figure 16**, select the option **Network**.

Figure 16

19

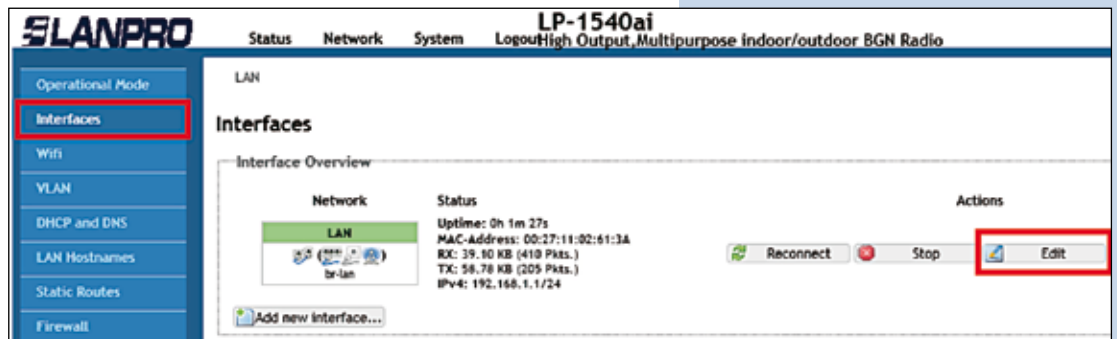Then select the option **AP Bridge** and **Save** as shown in **Figure 17.**

Figure 17

20

Now go to **Interfaces** and click on **Edit**, as shown in **Figure 18.**

Figure 18

21

A new window shown in **Figure 19** called Interfaces-Lan will pop-up, select **Protocol** and scroll to **DHCP Client** and select: **Switch Protocol**, then select **Save & Apply**.

After 15 seconds please unplug the network cable from your PC/Laptop and plug in directly to your router or switch. Now you will able to use your subnet to continue the configuration process.
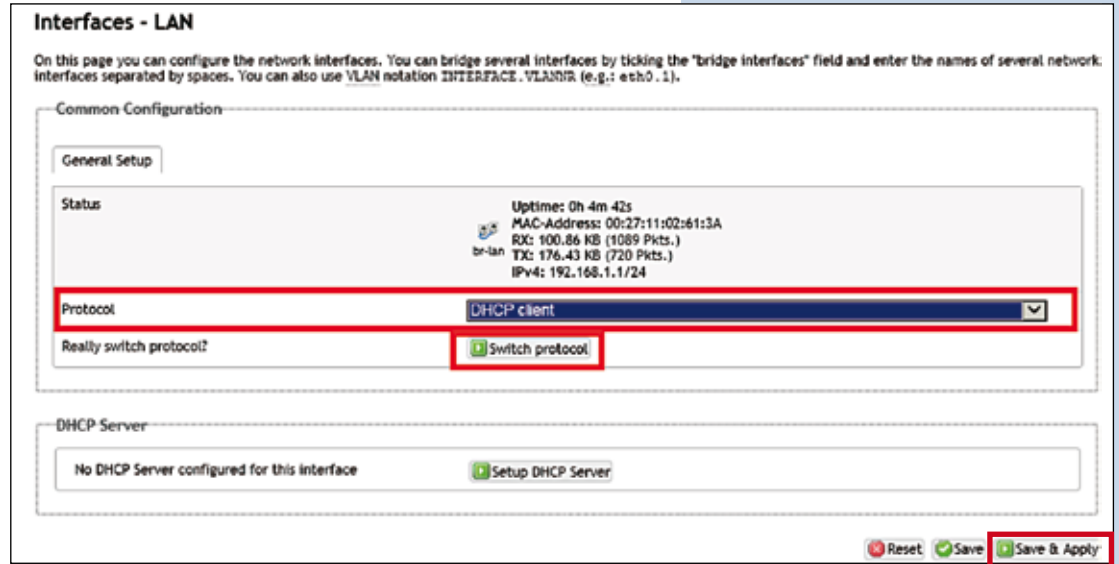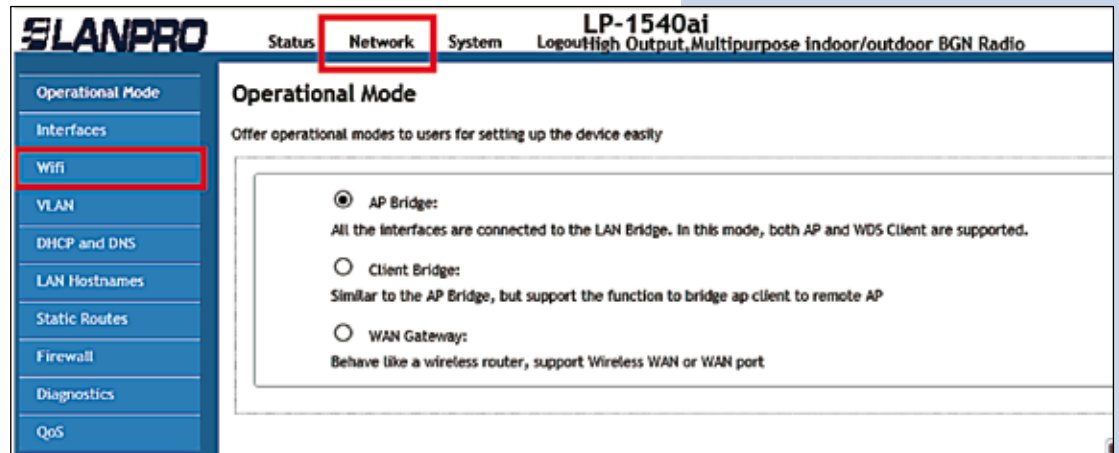
Figure 19

22 STEP 3. Wireless Configuration

In the management page go to **Network** and then to **WiFi**, as shown in **Figure 20.**

Figure 20

23

In the pop up window shown in **Figure 21**, select: **Edit**.

Figure 21

24

Now you can select **Channel** and **Transmit Power** according to your requirements. In windows shown in Figure 22, go and rename the ESSID, select an encryption method and create a key if it is required. **Note:** KEY created using the template= 1234567890, then go and **Save &Apply**.

Figure 22