123 Fast Installation Guide LanPro's LP-1520ai Radio in Mode AP

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LanPro's LP-1520ai Radio

in Mode AP

This Fast Installation Guide will let you perform a fast installation of this device.

1 **Check the box contents and physical installation as per the following list:**

- LP-1520ai Radio.
- LP-PoE150 Injector
- Power cable.

2 **Physical connections**

- Connect the Data + Power UTP Cable coming from the LP-PoE150 injector to the Watertight connector on the bottom of the LP-1520ai Radio from LanPro.

- Connect a Cat5e cable as per the 568a or 568b standard from the port marked as Data on the LP-PoE150 to the Switch. (In case you want to configure the Radio in a direct manner, please use a crossed cable).

3 **Logical Configuration**

3.1 Please go to your Network Card (NIC) properties as shown in figure 1 and configure the IP protocol to obtain an IP address automatically as shown in figure 2.
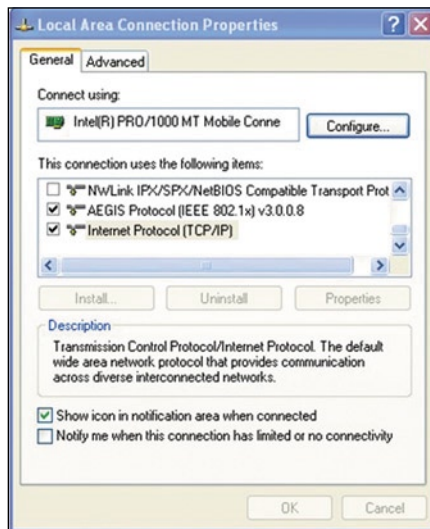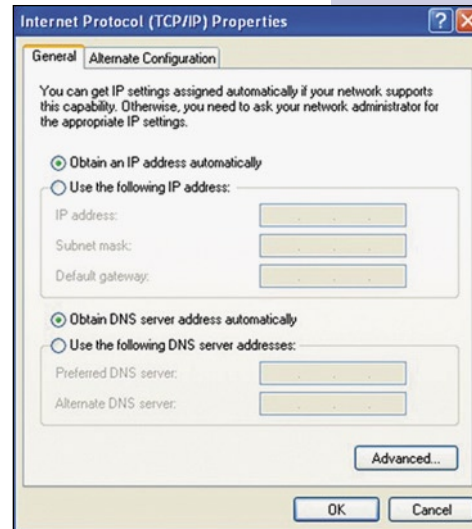

Figure 1   **Figure 2**

3.2 Open your preferred Browser and input the following address: 192.168.1.254 as shown in figure 3. The configuration window will pop-up but won't ask for a Username or Password. **Note: remember to select a Username and password for your equipment as the configuration might be accesed by any one.**
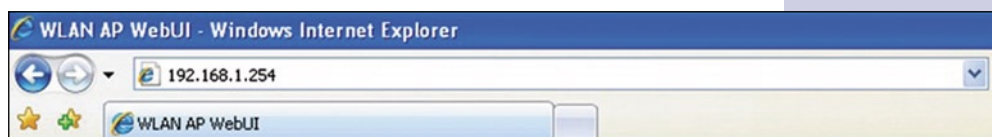

Figure 3

3.3 You should define the functionality of your Radio. The possible modes are:

- **WDS:** in case you want to create a link between two or more points (PtP, PtmP).
- **WDS+Client:** case you want to create a link between two or more points (PtP, PtmP) and accept Client type connections.
- **AP:** mode AP in which your equipment will serve to extend your wired network into a wireless way.
- **Client:** Mode in which the AP will be a client of a wireless network, or to link two wired networks, or as a client of a WLAN that is farther than a Wireless card can reach.

3.4 In the window shown in figure 4, you should disable the DHCP service and change the IP address by selecting options **TCP/IP Settings**, **LAN Interface**, change the IP address as per your convenience, select **DHCP** and **Disabled**. Please select **Apply Changes** in order to activate them.
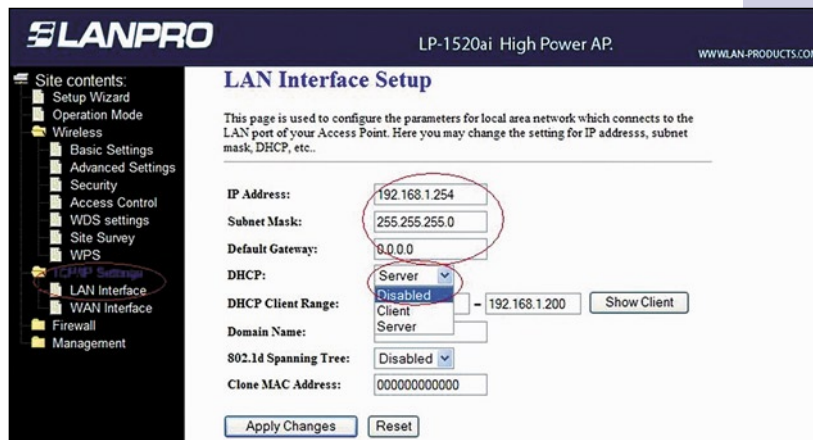

Figure 4

3.5 Please go to your NIC card properties as shown in figure 5 and configure the IP protocol as shown in figure 6 so that it is in the equipment range. In this example, it should be in the segment 192.168.1.x. where x must be different to 254 as it belongs to the LP-1520ai.
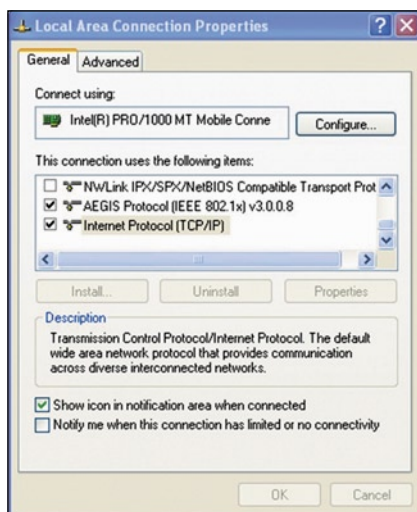

Figure 5   **Figure 6**

3.6 Please open your preferred browser and place the following address: 192.168.1.254. A configuration window will pop-up as shown in figure 7, it won't ask for a Username or password. **Note: please remember to define a username and password because anyone could Access the Configuration and change it without your permission.**
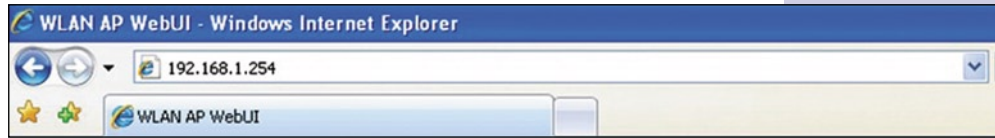

Figure 7

4 **Modes Configuration:**

4.1 In figure 8,
Mode AP: Select option **Basic Settings**, select **AP**, and then the desired channel. Define a name for your WLAN, this will be the name with which it's clients will identify it for connection. Once changes have been made, please select **Apply Changes** in order to save the changes.
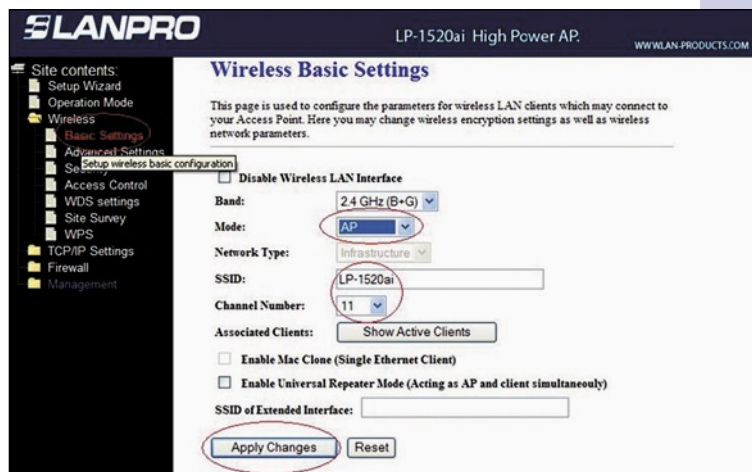

Figure 8

4.2 Now, you can configure the security of your LP-1520ai clients. In figure 9 please select **Wireless**, **Security**, and choose the desired configuration mode between the options. Once done, select option **Apply Changes** in order to save the changes.
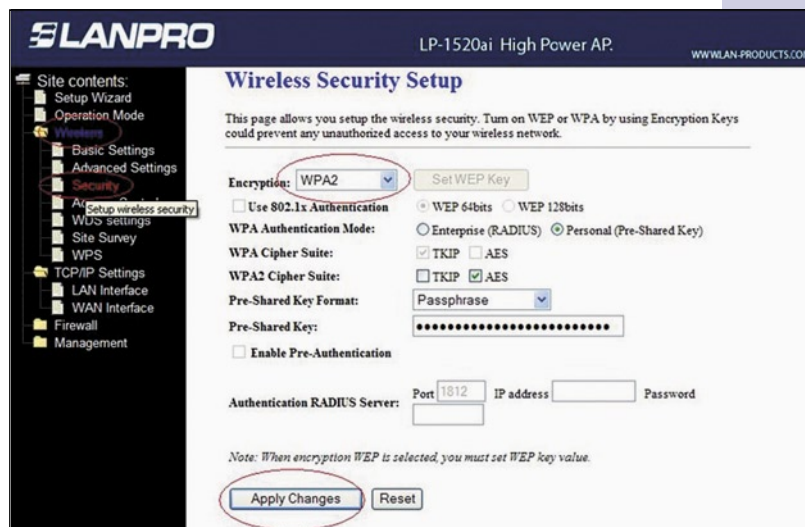

Figure 9

4.3 It is important to mention that activating the AP functionality, the WPS will also activate automatically, this permits the configuration of a client in a very easy way. If you don't want this, select option **WPS** and then select **Disable WPS**. Once done, select **Apply Chages** to save the changes done. See figure 10.
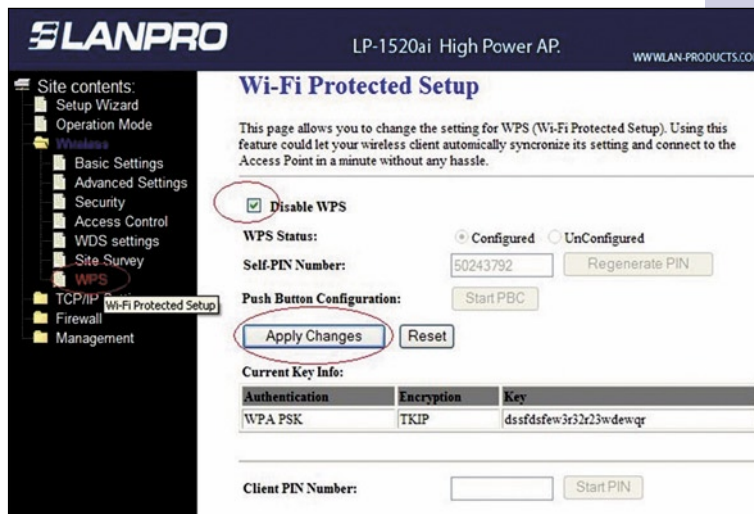

Figure 10

4.4 Once the equipment is configured you must select a password. Please see figure 11, in that window, select option **Management**, **Password**. Input the corresponding data and once done, select **Apply Changes** to save the changes.
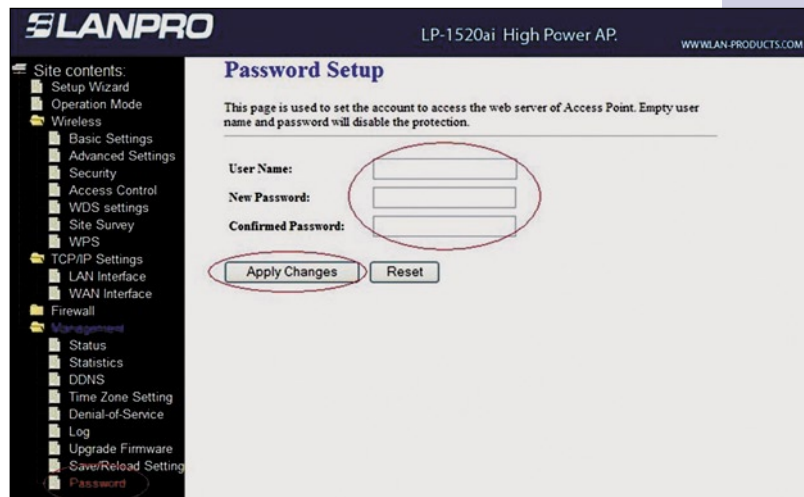

Figure 11

Notes

For antenna alignment, you must have a line of sight with the other radio antenna. The aperture of this antenna is about 45 degrees in the horizontal plane. There are applications in which a distance of 6 Km has been achieved with excellent results.

This radio can be fixed to a post or a wall, taking care of positioning it in a manner that the cable enters from the bottom.