# Steps to change from CPE to AP mode for the CPE-2

These are the steps to configure the CPE firmware after it has been installed in the Deliberant CPE-2. This configuration with establish a WISP Mode of operation that will be connected to a wireless router in the WAN port so wireless router can be connected to a wireless AP (like a RV park Wi-Fi).

Assumptions:

The assumption is that the CPE firmware has been installed in the CPE-2.

There is an AP configuration file.

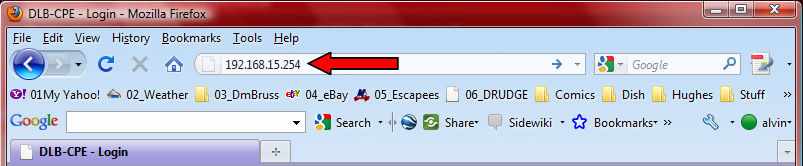
The PC is directly connected with a CAT-5 cable to the CPE POE Power Injector.

The PC’s IP address has been set to 192.168.nn.201 where nn is the CPE working IP address node as described in **Changing Your PC’s IP Address**.

The PC is directly connected with a CAT-5 cable to the CPE POE Power Injector.

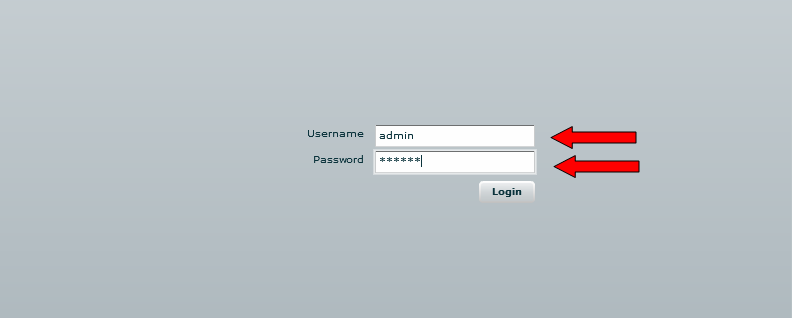
Configuration Steps

1. In the Internet browser window:



Enter the IP Address of CPE LAN address. In this case it is **192.168.15.254**.

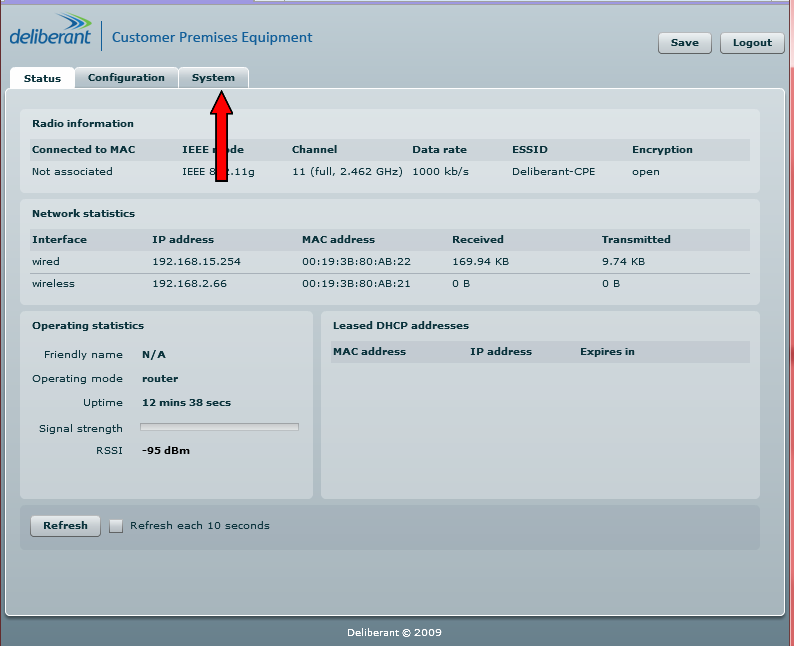
2. In the CPE firmware **Login** screen:



Enter ***admin*** in the **LOGIN** field and ***the Unique password*** in the **PASSWORD** field.

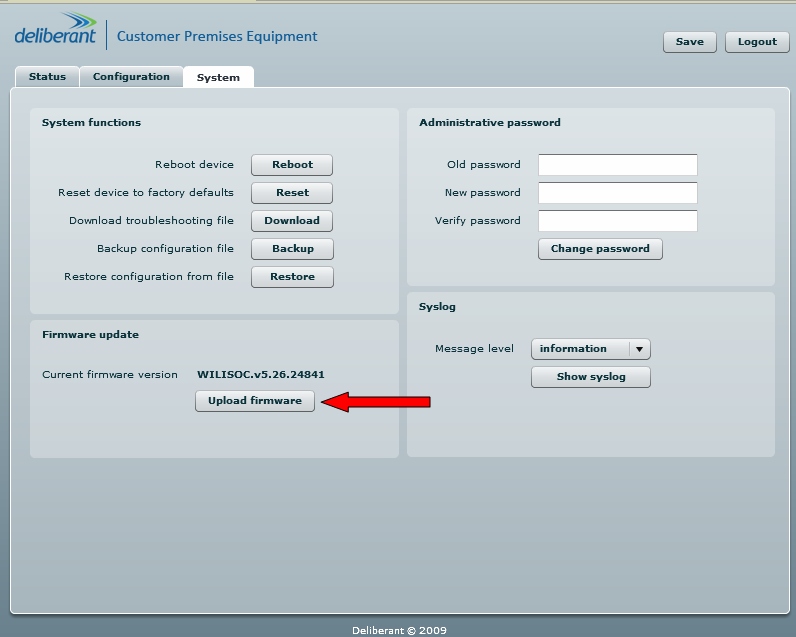
Click the **Login** button.

3. On the **Status** tab screen:



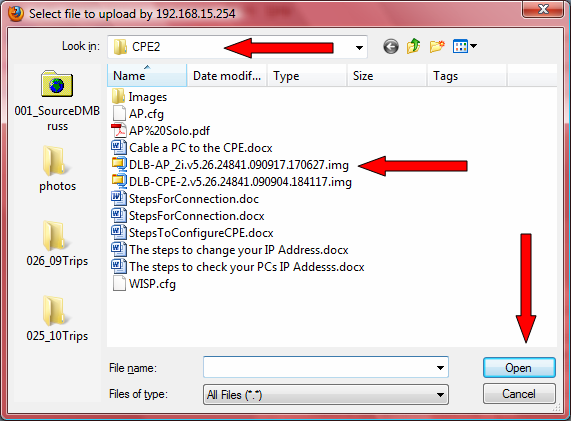
Click on the **System** tab.

4. On the **System** tab screen:



Click on **the Upload firmware** button.

5. In the **Select file to upload** window:

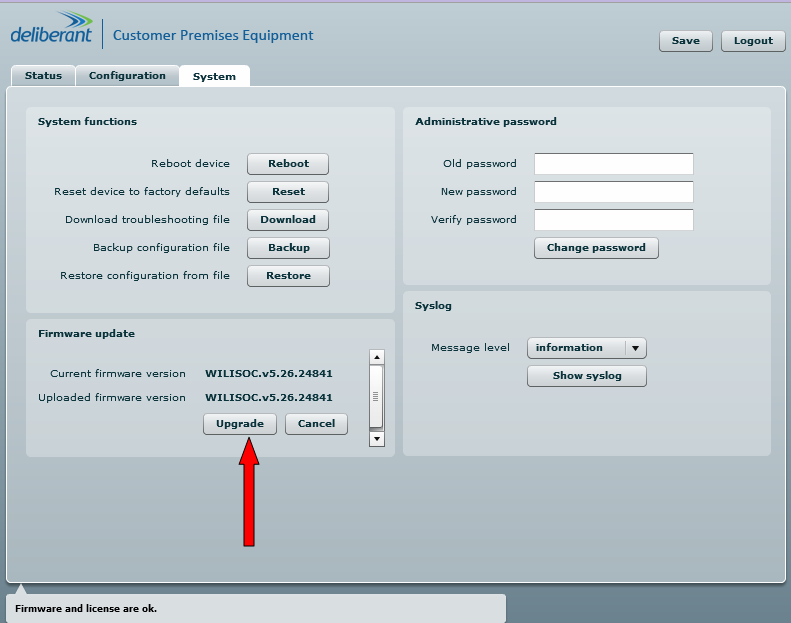


In the **Look in** field, navigate to where the Deliberant files are located. In this case ***CPE2.***

Locate the AP firmware; in this case it is ***DLB-AP\_2i.v5.26.24841.090917.170627.img***.

Click on the **Open** button.

6. On the **System** tab screen:

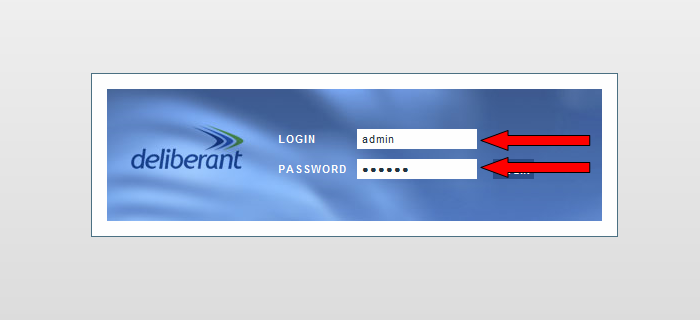


After a short upload period, the screen will refresh with the **Upgrade** button present. This indicates that the new firmware has been copied to the CPE-2 and is ready to be installed.

Click on the **Upgrade** button.

The firmware change will takes a few minutes, as many as 7.

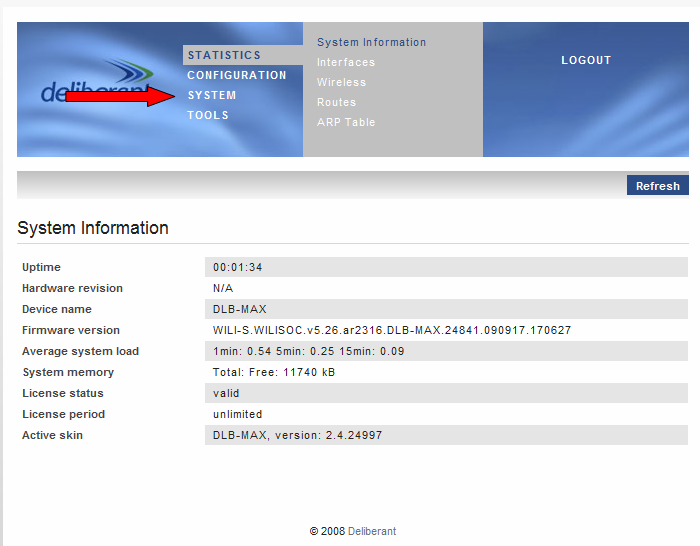
7. On the AP firmware **LOGIN** screen



Enter ***admin*** in the **LOGIN** field and ***the Unique password*** in the **PASSWORD** field.

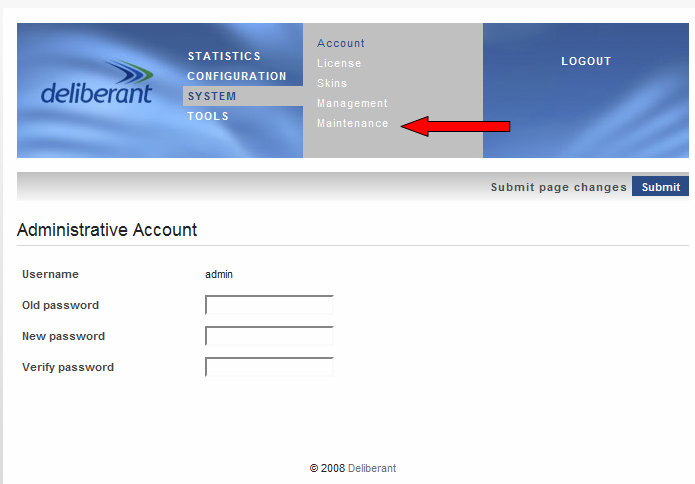
Click the **Login** button.

8. On the **STATISTICS** – **System Information** screen:



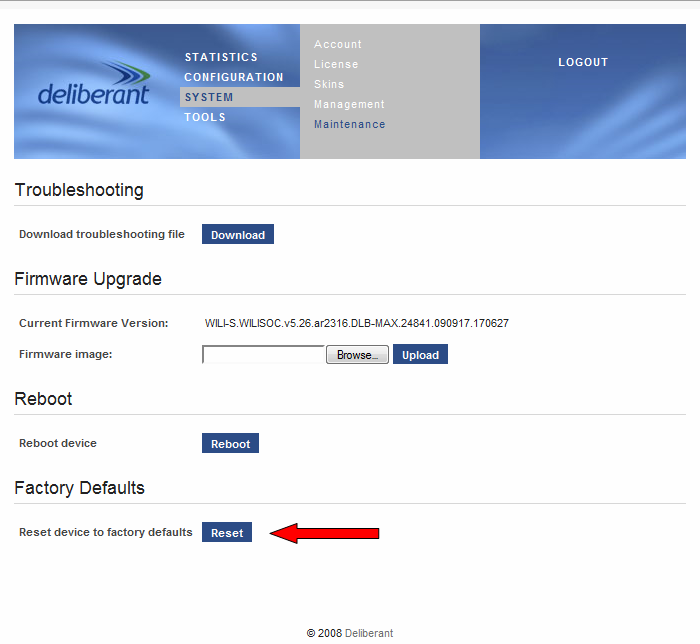
Click on the **SYSTEM** button.

9. On the **SYSTEM** – **Account** screen:



Click on the **Maintenance** button.

10. On the **SYSTEM** – **Maintenance** screen:

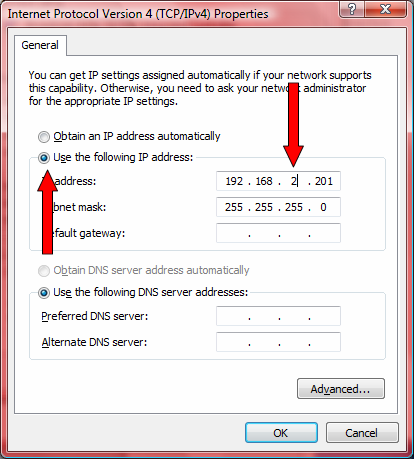


Click on the **Reset** button.

Since the address of the AP has been changed, you now need to change the IP Address of you PC.

All the steps have been covered in **Changing You PC’s IP Address**.

11. In the **Internet Protocol Version 4 (TCP/IPv4) Properties** window:



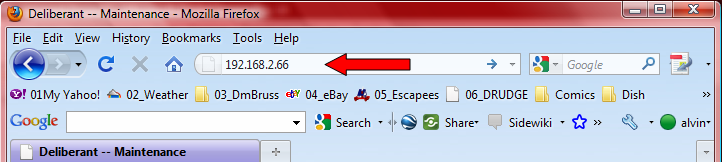
Select the **Use the following IP address:** radio button. Then enter the **IP address** that you need. The first two sets of three digits will be *192 168.2.201*

The **Subnet mask:** should automatically be filled with “255.255.255.0” If not, enter the digits.

When you are done, click on the **OK** and **Close** buttons to close the open windows.

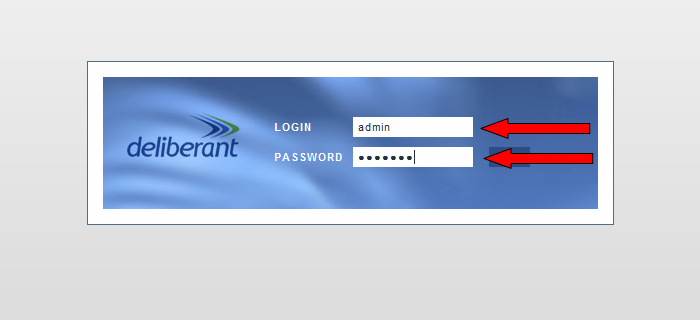
One thing to do to insure that the *Reboot* process has finished, use **The Steps to Check Your PC’s IP Address** and *PING* the IP Address 192.168.2.66 until you get responses.

12. In your Internet browser window:



Enter the IP Address of the Default CPE LAN address. In this case it is **192.168.2.66**.

13. On the AP **firmware** LOGIN **screen:**



Enter ***admin*** in the **LOGIN** field and ***admin01*** in the **PASSWORD** field. These are the default username and password,

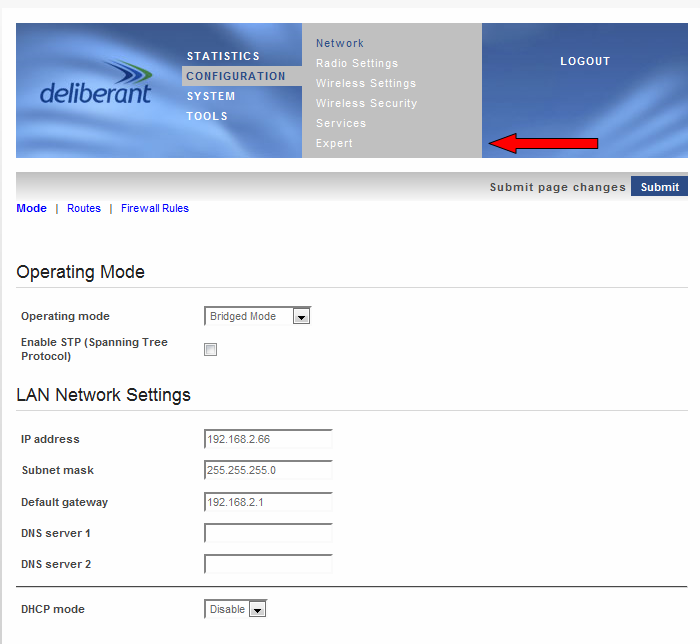
Click the **Login** button.

14. On the **STATISTICS** – **System** **Information** screen:



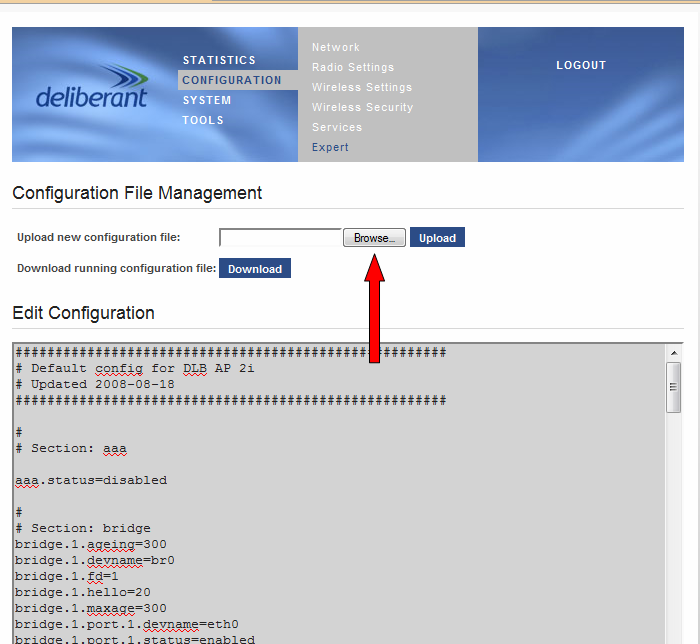
Click on the **CONFIGURATION** button.

15. On the **CONFIGURATION** – **Network** screen:



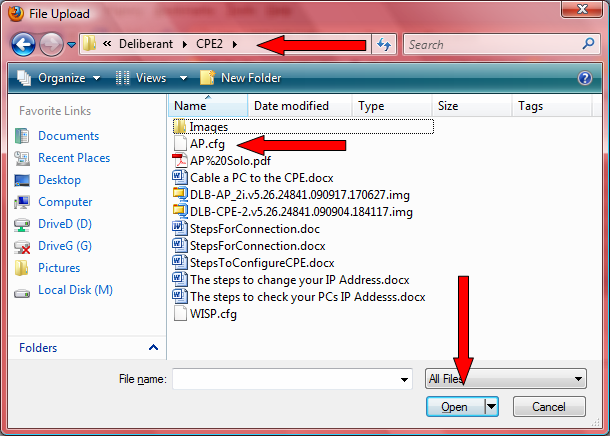
Click on the **Expert** button:

16. On the **CONFIGURATION** – **Expert** screen:



Click on the **Browse** button.

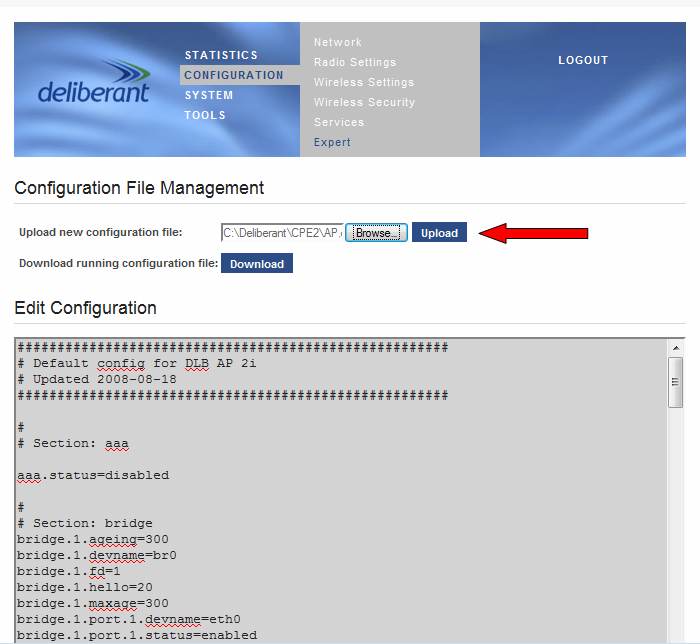
17. In the **File Upload** window:



Navigate to the folder with the Deliberant files in the upper address field.

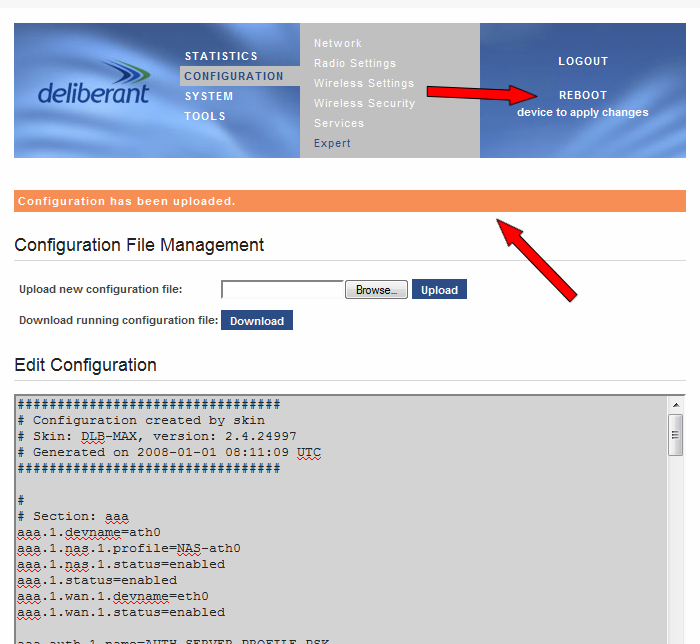
Select the AP configuration file. In this case it is ***AP.cfg***.

18. On the **CONFIGURATION** – **Expert** screen:



Click on the **Upload** button.

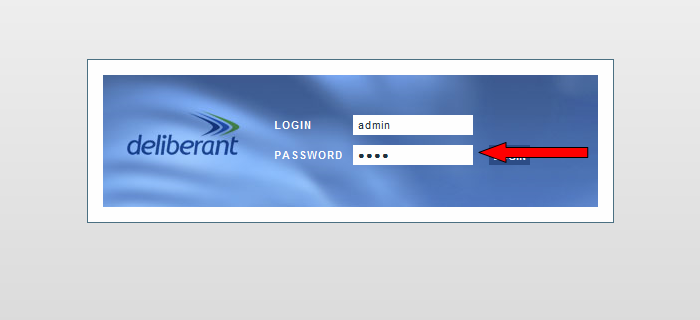
19. On the **CONFIGURATION** – **Expert** screen:



After a short period, the screen will refresh with the “*Configuration has been uploaded*” message displayed.

Click on the **Reboot** button.

20. On the AP firmware **LOGIN** screen:



Enter ***admin*** in the **LOGIN** field and ***the Unique password*** in the **PASSWORD** field.

Click the **Login** button.

You are done.