Scope

This guide assists you in the operation of switch between the Access Point mode and Station/Bridge mode.

Introduction

The Access Point can be switched between the Access Point mode and the Station/Bridge mode. Each mode plays a different role in the network. Access Point is the primary central controller in wireless LAN. Bridge/Station can bridge wired LAN to wireless LAN. Figure 1 shows the roles that Access Point and Bridge/Station play in the network.



Figure 1: Network Connection

System Requirements

- a) The Access Point with Access Point or Station/Bridge mode.
- b) PC, with Ethernet interface, TFTP client software (for Windows 98 only), and ping software.
- c) Crossover RJ45 LAN cable.
- d) Program packets: wlan_ap_ug_xxxxx.zip wlan_bridge_ug_xxxxx.zip

Note: xxxxxx displays the information on version.

Check the Present Mode

To learn which mode the PCB is currently operating, please follow the steps below:

- a) Use crossover LAN cable to connect the Access Point with PC.
- b) Connect the power adapter to the power jack on the Access Point.
- c) Press the **Set to Default** button at the edge of the Access Point.
- d) Set the IP address of PC to 192.168.1.10, and Subnet mask to 255.255.255.0.
- Type ping 192.168.1.90 in Dos console mode of PC. If the echo message is "Reply from 192.168.1.90...", the Access Point is operating in the Access Point mode.
- f) Type ping 192.168.1.99 in Dos console mode of PC. If the echo message is "Reply from 192.168.1.99...", the Access Point is operating

Upgrade Firmware of Access Point

To upgrade the Access Point under the Access Point mode, please follow the steps below:

- a) During the upgrade, all LEDs on the equipment flash. Note that the sudden loss of power may cause serious problems at the moment. Please keep regular power supply during the process.
- b) Use crossover LAN cable to connect the Access Point with the PC.
- c) Connect the power adapter to the power jack on the Access Point.
- d) Press the **Set to Default** button at the edge of the Access Point.
- e) Set the IP address of PC, for example, to 192.168.1.10, and Subnet mask to 255.255.255.0.
- f) Unzip wlan_ap_ug_xxxxx.zip to the directory c:\, and then you can see the wlan ap directory.
- g) Execute apselfug.bat, which is in the directory wlan_ap/upgrade. The Dos console mode is shown

as below.



Figure 2

The screen demonstrates the operation of this procedure. If there is no inquiry, press any key to continue.

a) After pressing a key, you will see the screen shown as below. This step writes firmware base images to the Access Point. After the action of writing is complete, the screen will inform the message-**Done**. Press any key to leave.





- If any inaccuracy appears, please check Ethernet RJ45 cable connection and IP address settings of PC.
- * After the upgrade procedure is complete, the default IP of the Access Point is 192.168.1.90.

Ipgrade Firmware of Station/Bridge

o upgrade the Access Point from Access Point mode to station/Bridge mode, please follow the steps below:

- During the upgrade, all LEDs on the equipment flash. Note that the sudden loss of power may cause serious problems at the moment. Please keep regular power supply during the process.
- Use crossover LAN cable to connect the Access Point) with PC
-) Connect the power adapter to the power jack on the Access Point.
- Press the Set to Default button at the edge of the) Access Point.
- Set the IP address of PC, for example, to 192.168.1.10. and Subnet mask to 255.255.255.0.
- Unzip wlan bridge ug xxxxx.zip to the directory c:\, A) and then you can see the wlan_bridge directory.
- Execute staselfug.bat, which is in the directory wlan_bridge/upgrade. The Dos console mode is shown as below.



Figure 4

g)

The screen demonstrates the operation of this procedure. If there is no inquiry, press any key to continue.

) After pressing any key, you will see the screen shown as below. This step writes firmware base images to Access Point. After the action of writing is complete, the screen will inform the message-Done. Press any key to leave.



Figure 5

If any inaccuracy appears, please check Ethernet RJ45 cable connection and IP address settings of PC. After the upgrade procedure is complete, the default IP of the Access Point is 192.168.1.99.

Switch from Access Point Mode to Station/Bridge Mode

To upgrade the Access Point from Access Point mode to Station/Bridge mode, please go along with the steps below:

- During the upgrade, all LEDs on the equipment flash. Note that the sudden loss of power may cause serious problems at the moment. Please keep regular power supply during the process.
- Use crossover LAN cable to connect the Access Point a) with PC
- b) Connect the power adapter to the power jack on the Access Point.
- c) Press the Set to Default button at the edge of the Access Point.
- Set the IP address of PC, for example, to d) 192.168.1.10. and Subnet mask to 255.255.255.0.
- Unzip wlan_bridge_ug_xxxxx.zip to the directory c:\, e) and then you can see the wlan_bridge directory.
- f) Execute ap2sta.bat, which is in the directory wlan bridge/upgrade. The Dos console mode is shown as below.



The screen demonstrates the operation of this procedure. If there is no inquiry, press any key to continue.

Q)

a) After pressing any key, you will see the screen shown as below. This step writes image to Access Point. After the action of writing is complete, the screen will inform the message-Done. Press any key to leave.



- * If any inaccuracy appears, please check Ethernet RJ45 cable connection and IP address settings of PC.
- * After the upgrade procedure is complete, the default IP of the Access Point is 192.168.1.99.
- * During the upgrade, all LEDs on the equipment flash. Note that the sudden loss of power may cause serious problems at the moment. Please keep regular power supply during the process.

Switch from Station/Bridge Mode to Access Point Mode

To upgrade the Access Point from **Station /Bridge** mode to **Access Point** mode, please go along with the steps below:

- During the upgrade, all LEDs on the equipment flash. Note that the sudden loss of power may cause serious problems at the moment. Please keep regular power supply during the process.
- a) Use crossover LAN cable to connect the Access Point with PC.
- b) Connect the power adapter to the power jack on the Access Point.
- c) Press the **Set to Default** button at the edge of the Access Point.
- d) Set the IP address of PC, for example, to 192.168.1.10, and Subnet mask to 255.255.255.0.
- e) Unzip wlan_ap_ug_xxxxx.zip to the directory c:\, and then you can see the wlan_ap directory.
- f) Execute sta2ap.bat, which is in the directory wlan_ap/upgrade. The Dos console mode is shown as below:



g)

Figure 8

The screen demonstrates the operation of this procedure. If there is no inquiry, press any key to continue.

a) After pressing a key, you will see the screen shows as below. This step writes firmware base image and Web page image Access Point. After the action of writing is complete, the screen will inform the message-**Done**. Press any key to leave.



Figure 9

- * If any inaccuracy appears, please check Ethernet RJ45 cable connection and IP address settings of PC.
 - After the procedure of upgrading completes, the default IP of the Access Point is 192.168.1.90.

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