

SI 7800B AP  
Simple Manual

# 1. Understanding the Hardware

## 1.1 Hardware Configuration

**RJ-45 Ethernet Connector** – Provides 10 Mbps connectivity to a wired Ethernet LAN.

**Reset Button** – By holding this down for more than 3 seconds, the unit will reset to its factory default settings.

**Power Supply Connector** – Connects to the power adapter.

## 1.2 Hardware Installation

- A. Configure your notebook or PC with a wireless LAN card.
- B. For a wired LAN, connect your PC's Ethernet port to the unit's LAN port via an Ethernet cable.
- C. For WLAN, position the unit in a proper location.
- D. Plug in the power cord into the power outlet.

## 2. System

Consists of Administrator Settings、 Firmware Upgrade、 Reset、 Restore Defaults

### 1. Administrator Settings

#### Administrator Settings

Password Settings	
Current Password	<input type="text"/>
Password	<input type="text"/> (3-12 Characters)
Re-type password	<input type="text"/>

  

Enter new password and then click save and restart

## 2. Firmware Upgrade

step 1

### Firmware Upgrade

Current Firmware information	
Version:	v200.187
Date:	June,02 2004
Download New Firmware:	
Download	<input checked="" type="radio"/> Firmware only
	<input type="radio"/> Firmware + Configuration
File	<input type="text"/> 瀏覽...
Progress	<div style="width: 0%;"></div>

Note: The whole upgrade procedure takes about 2 mins.



step 2

### Firmware Upgrade

Current Firmware information	
Version:	v200.187
Date:	June,02 2004
Download New Firmware:	
Download	<input type="radio"/> Firmware only
	<input checked="" type="radio"/> Firmware + Configuration
File	D:\軟體測試書\SI7800BV603\AT76C511_A 瀏覽...
Progress	<div style="width: 0%;"></div>

Note: The whole upgrade procedure takes about 2 mins.



Click Browse to find new Firmware , then click save and restart

## 3. Reset

### Reset Access Point

After you change the setting or in the event that the Access Point stops responding correctly or in some way stops functioning, you can perform a reset. To perform the reset, click on the "Reset" button below. You will be asked to confirm your decision.

The reset will take for about 40 seconds.

Reset

Click Reset

#### 4. Restore Defaults

##### Restore Factory Defaults



Click Restore Defaults

## 3. LAN

Consists of LAN Settings, DNS Settings

### 1. LAN Settings

#### LAN Settings

You can enable DHCP to dynamically allocate IP addresses to the LAN interface.

LAN Settings				
IP Address	192	168	2	11
Subnet Mask	255	255	255	0
Default Gateway	10	170	254	1

Cancel Save Help

Change IP Address, Subnet Mask Default and Gateway and then click save and restart

## 2. DNS Settings

### DNS Relay Settings

DNS Relay Service	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Domain Name Suffix	patras.atmel.com
Primary Domain Name Server Address	10 . 170 . 254 . 16
Secondary Domain Name Server Address (optional)	0 . 0 . 0 . 0

Enable DNS Relay Service , change Domain Name Suffix and Primary Domain Name Server Address and then click save and restart

# 4. Services

## 1. Network Servives

Consists of SNMP Server、 DHCP Server、 System Log Daemon、 Easy Setup Wizard

### A. SNMP Server

step 1

#### Network Services

SNMP Server	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
DHCP Server	<input checked="" type="radio"/> Enable <input type="radio"/> Disable <a href="#">Configure</a>
System Log Daemon	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
Easy Setup Wizard	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

Enable and then click Configure to enter into settings

step 2

#### Network Services - SNMP server Configuration

Read only community	.....
Read write community	.....
Trap sink IP address	10 . 170 . 250 . 111

---

Read only community , enter public

Read write community, enter private

After modifications, click save and restart

## B. DHCP Server

step 1

### Network Services

SNMP Server	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
DHCP Server	<input checked="" type="radio"/> Enable <input type="radio"/> Disable <a href="#">Configure</a>
System Log Daemon	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
Easy Setup Wizard	<input checked="" type="radio"/> Enable <input type="radio"/> Disable



Enable and click Configure to enter into settings

step 2

### Network Services - DHCP server Configuration

IP Pool Starting Address	192.168.2.230
IP Pool Ending Address	192.168.2.250
Lease Time	<input type="text"/> ↓
Default Router IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
DNS Server IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Local Domain Name	<input type="text"/> (optional)



Change IP Pool starting Address, IP Pool Ending Address and Lease Time and then click save and restart

### C. System Log Daemon

step 1

#### Network Services

SNMP Server	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
DHCP Server	<input checked="" type="radio"/> Enable <input type="radio"/> Disable <a href="#">Configure</a>
System Log Daemon	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <a href="#">Configure</a>
Easy Setup Wizard	<input checked="" type="radio"/> Enable <input type="radio"/> Disable



Enable and click Configure to enter into settings

step 2

#### Network Services - System Log Daemon Configuration

System Log Daemon IP address	<input type="text" value="10"/> . <input type="text" value="170"/> . <input type="text" value="254"/> . <input type="text" value="212"/>
System Log Daemon Port number	<input type="text" value="514"/>



Change System Log Daemon IP Address and System Log Daemon Port number and then click save and restart

## D. Easy Setup Wizard

### Network Services

SNMP Server	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable	<a href="#">Configure</a>
DHCP Server	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	<a href="#">Configure</a>
System Log Daemon	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable	<a href="#">Configure</a>
Easy Setup Wizard	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	



Click Enable to use Easy Setup Wizard

## 5. Wireless

Consists of Settings、Operational Mode、Security Settings、MAC Filtering

### 1. Settings

#### Wireless Settings

General	
Access Point Name	ATMELtests
SSID	Senao511Test
Channel	Channel #10
Advanced Setting	
Power Level	4
Beacon Interval	100 (0-4095)
DTIM Interval	2 (0-65535)
Fragment Threshold	2344 (256-2346)
RTS Threshold	2344 (256-2346)
Preamble Type	Long Preamble
Hide SSID & Block Responds to "Unspecified-SSID"	<input type="checkbox"/>
Rates:	
1 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
2 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
5.5 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
11 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
Autorate Fallback	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

Click save and restart after change

### 2. Operational Mode

Operational Mode	
<input checked="" type="radio"/> Access Point	<a href="#">Configure IAPP-TAP protocol</a>
<input type="radio"/> Access Point Client	
<input type="radio"/> Wireless Bridge Point to Point	
<input type="radio"/> Wireless Bridge Point to Multipoint	
<input type="radio"/> Wireless Repeater	
<input type="radio"/> Wireless Distribution System	<a href="#">Configure</a>
<input type="radio"/> Wireless Adapter	
Operational Mode settings	
Site Survey	
Click the "next" button to perform a site survey <input type="button" value="Next"/>	

Click save and restart after change

### 3. Security Settings

#### Wireless Settings

General	
Access Point Name	ATMELtests
SSID	Senao511Test
Channel	Channel #10
Advanced Setting	
Power Level	4
Beacon Interval	100 (0-4095)
DTIM Interval	2 (0-65535)
Fragment Threshold	2344 (256-2346)
RTS Threshold	2344 (256-2346)
Preamble Type	Long Preamble
Hide SSID & Block Responds to "Unspecified-SSID"	<input type="checkbox"/>
Rates:	
1 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
2 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
5.5 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
11 Mbps	<input type="radio"/> Supported <input checked="" type="radio"/> Supported+Basic <input type="radio"/> Not Used
Autorate Fallback	<input checked="" type="radio"/> Enable <input type="radio"/> Disable





Click save and restart after change

### 4. MAC Filtering

#### MAC address filtering

General			
Filtering:	Disable		
Filtering type:	Deny		
MAC address table			
Item	MAC address	Item	MAC address
1	000000000000	11	000000000000
2	000000000000	12	000000000000
3	000000000000	13	000000000000
4	000000000000	14	000000000000
5	000000000000	15	000000000000
6	000000000000	16	000000000000
7	000000000000	17	000000000000
8	000000000000	18	000000000000
9	000000000000	19	000000000000
10	000000000000	20	000000000000





Click save and restart after change

## 6. Information

Consists of System Status, Wireless Status, Association List, LAN Statistics, Wireless Statistics, DHCP Client List

### 1. System Status

Status	
<b>LAN</b>	
IP	192.168.2.11
Subnet Mask	255.255.255.0
Gateway	10.170.254.1
DNS	10.170.254.16
MAC Address	00:04:25:02:01:8C
<b>System Information</b>	
System Up time	18 min
Current Firmware Version	v200.187
Serial Number	AA150504X
Country	ETSI



You can find LAN and System Information settings here

### 2. Wireless Status

Wireless Status - Device Status	
Device Mode:	Access Point.
SSID:	Senao511Test
Channel:	10
Security:	None.



You can find SSID and Channel settings here

### 3. Association List

**Wireless Status - Association List**

MAC Address	IP Address	State
No stations associated.		

You can find what wireless LAN or AP are attached to SI 7800B AP

### 4. LAN Statistics

#### LAN Statistics

	Receive	Transmit
Total Bytes	37575	108378
Total Packets	284	462
Total CRC	0	0

You can find the Total Bytes、 Total Packets、 Total CRC here

## 5. Wireless Statistics

### Wireless Statistics

Refresh

	Receive	Transmit
Unicast Packets	0	0
Broadcast Packets	47	69
Multicast Packets	0	6

You can find Unicast Packets、 Broadcast Packets、 Multicast Packets here

## 6. DHCP Client List

### DHCP Client List

Clear & Restart

Refresh

Item	MAC	IP	Expire date	Expire time
No DHCP Client.				



You can find which client are connected to server when AP Enable DHCP Sever was used

## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## **IMPORTANT NOTE:**

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.