

Hot Spot Gateway Configuration (WIAS-3200N)

In this chapter, we will introduce WIAS-3200N and separate three parts to demonstrate its hardware and software features as following.

- Part 1. Private & Public Zone
- Part 2. Standard Installation Package
- Part 3. How to create the On-demand User Authentication Account?

Part1. Private & Public Zone

WIAS-3200N provides two zones: Private and Public zones for users to connect to Internet with/or without Authentication.

- Private zone: It doesn't require user authentication, private using ONLY.
- Public zone: It requires user authentication and WIAS-3200N provides 4 Authentication Servers: Local, Radius Server1, Radius Server2 and On-demand, you can select one of them for authentication.

In wired connection,



- LAN1 is for Private Zone
- LAN2 is for Public Zone (by default setting, it can disable by Web management of WIAS-3200N).

In wireless connection,

Private Zone's SSID is **airlive-1** and it is hidden, so you need to type SSID manually on WLAN card.

Public Zone's SSID is **airlive-2** and it is broadcast.

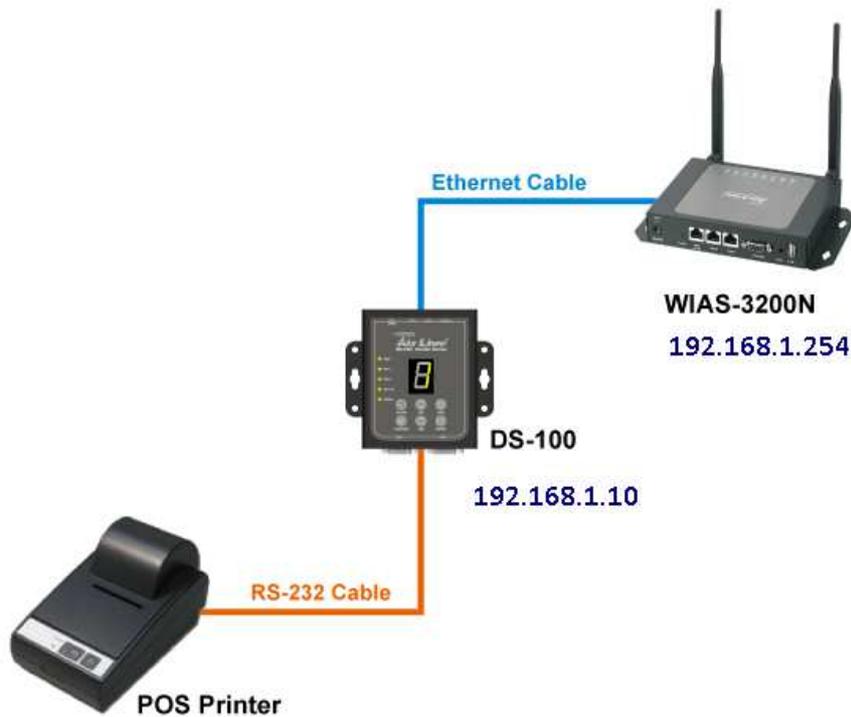
| Zone Settings | | | | |
|---------------|-----------|-------------------|-----------------------|---------------------------|
| Name | ESSID | Wireless Security | Default Authen Option | Details |
| Private | airlive-1 | None | N/A | Configure |
| Public | airlive-2 | None | On-demand User | Configure |

Part2. Standard Installation Package

- WIAS-3200N
- DS-100(Signal bridge between RJ-45 and RS-232)
- PRP058(POS Ticket Printer)

You can connect the devices as following topology,

1. DS-100 and WIAS-3200 must be at same subnet,
2. Login WIAS-3200N's Web UI and type DS-100's IP and Port Number in Terminal Server configuration.



Login WIAS-3200N's Web Management, and enter to **Users > ONDEMAND**, click on "**Create**" On-demand Account Creation button.

Home Logout
Air Live
WIAS-3200N 802.11n Internet Access Server www.airlive.com


System


Users


Network


Utilities


Status

Authentication | Black List | Policy | Additional Control

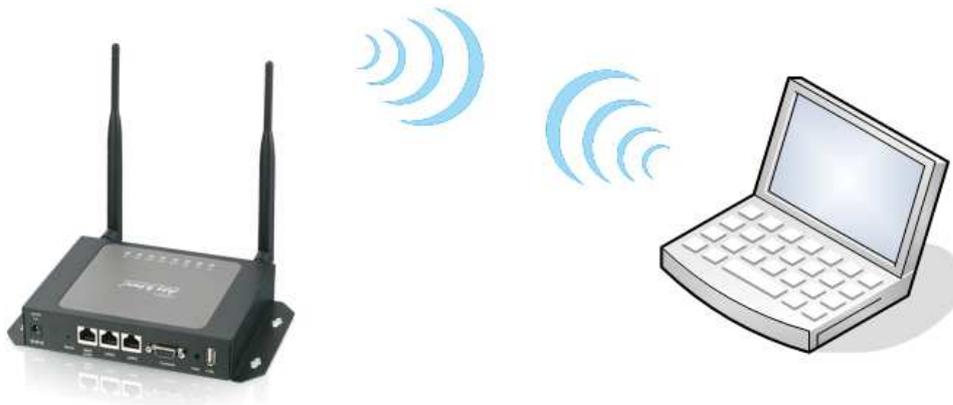
Authentication Server - On-demand User

| | | |
|---|---------------------------|---|
| General Settings | WLAN ESSID | airlive-2 |
| | Wireless Key | |
| | Currency | <input checked="" type="radio"/> None <input type="radio"/> \$ USD <input type="radio"/> £ GBP <input type="radio"/> € EUR <input type="radio"/> <input style="width: 50px;" type="text"/> <small>(Input other desired currency, e.g. AU)</small> |
| | Remaining Reminder | Time: <input type="radio"/> Enable <input checked="" type="radio"/> Disable Volume: <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| | Sync Interval | <input checked="" type="radio"/> 10min(s) <input type="radio"/> 15min(s) <input type="radio"/> 20min(s) |
| Ticket Customization | | <input type="button" value="Configure"/> |
| Billing Plans | | <input type="button" value="Configure"/> |
| External Payment Gateway | | <input type="button" value="Configure"/> |
| Terminal Server | | <input type="button" value="Configure"/> |
| On-demand Account Creation | | <input type="button" value="Create"/> |
| On-demand Account Batch Creation | | <input type="button" value="Create"/> |
| On-demand Account List | | <input type="button" value="View"/> |

Fill the DS-100's IP address and Port Number.

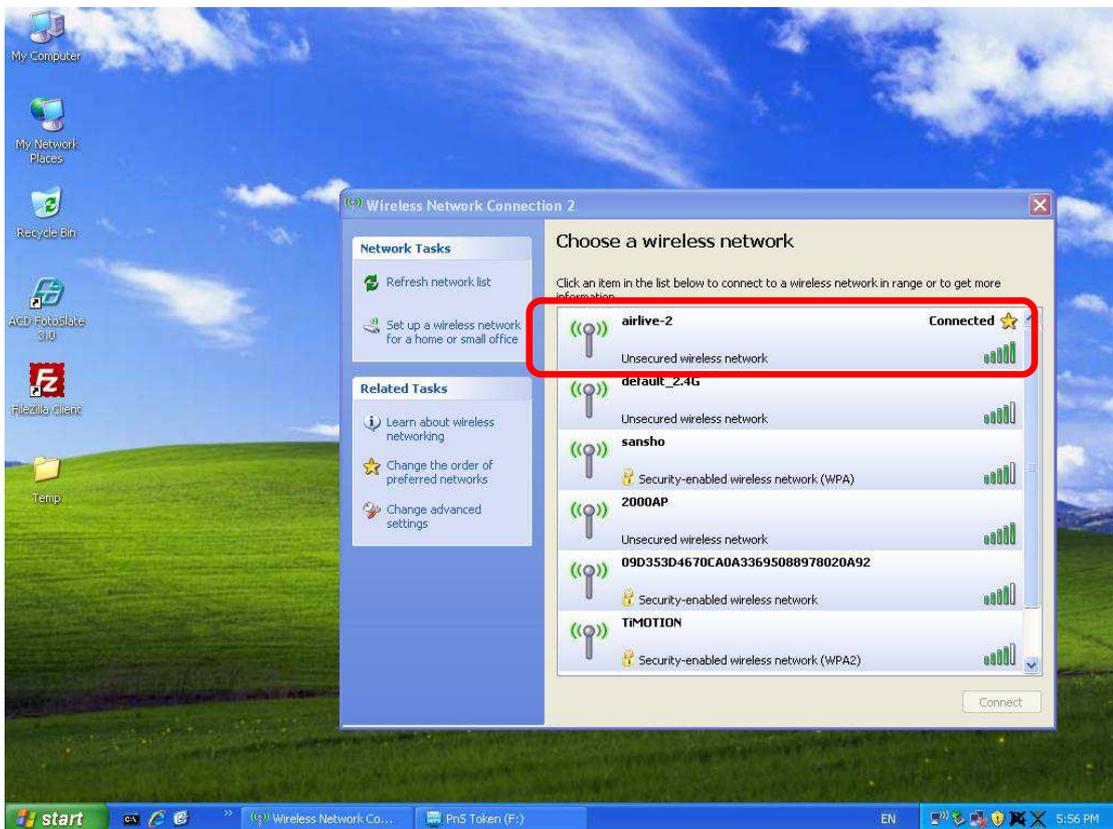
| Terminal Server Configuration | | | | |
|-------------------------------|---|---|---|---|
| Item | Server IP | Port | Location | Remark |
| 1 | 192.168.1.10 | 5000 | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| 2 | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| 3 | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| 4 | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| 5 | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| 6 | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |
| - | <input style="width: 80px;" type="text"/> | <input style="width: 40px;" type="text"/> | <input style="width: 80px;" type="text"/> | <input style="width: 80px;" type="text"/> |

Part3. How to create the On-demand User Authentication Account?



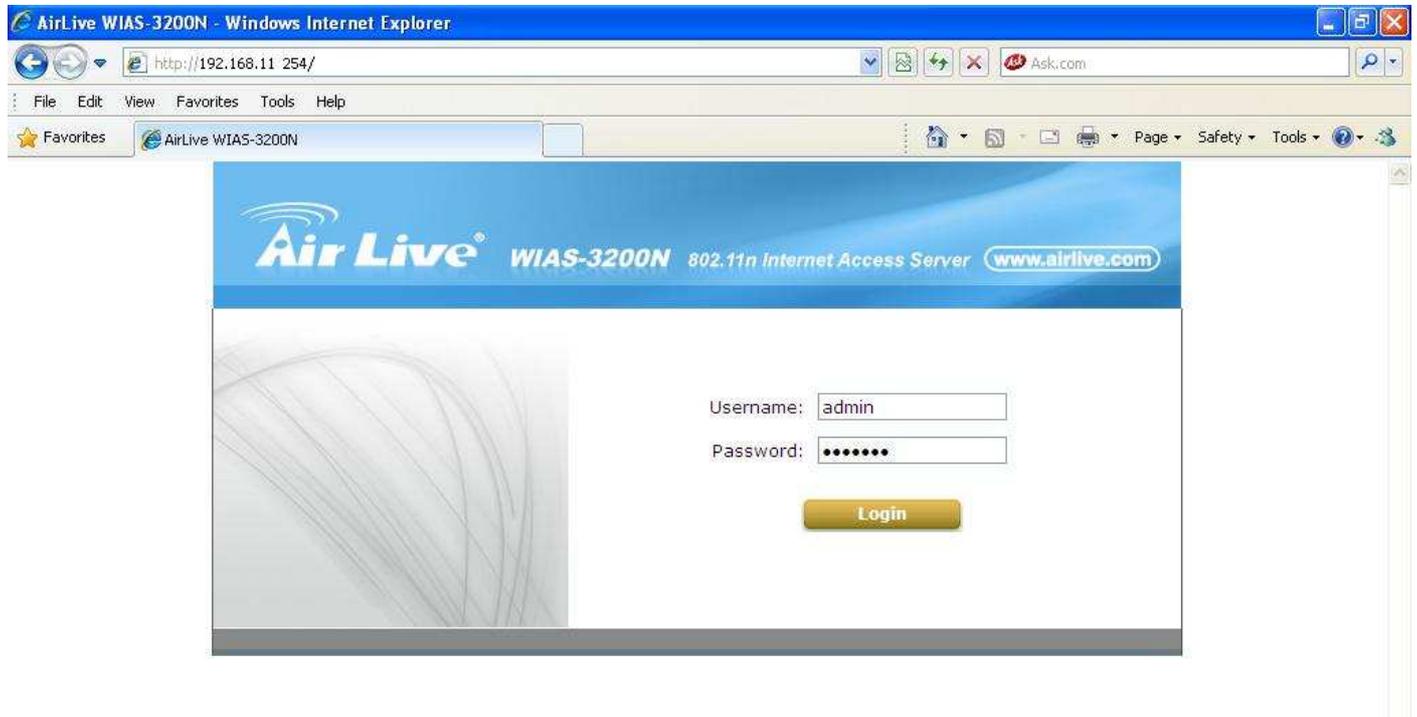
Above is the sample network topology, the device includes a WIAS-3200N and Laptop. Laptop has to connect to WIAS-3200N via wireless/or wired and they both are powered on.

Step1: Check your wireless network adapter of Laptop if search “**airlive-2**” (The default SSID of WIAS-3200N).

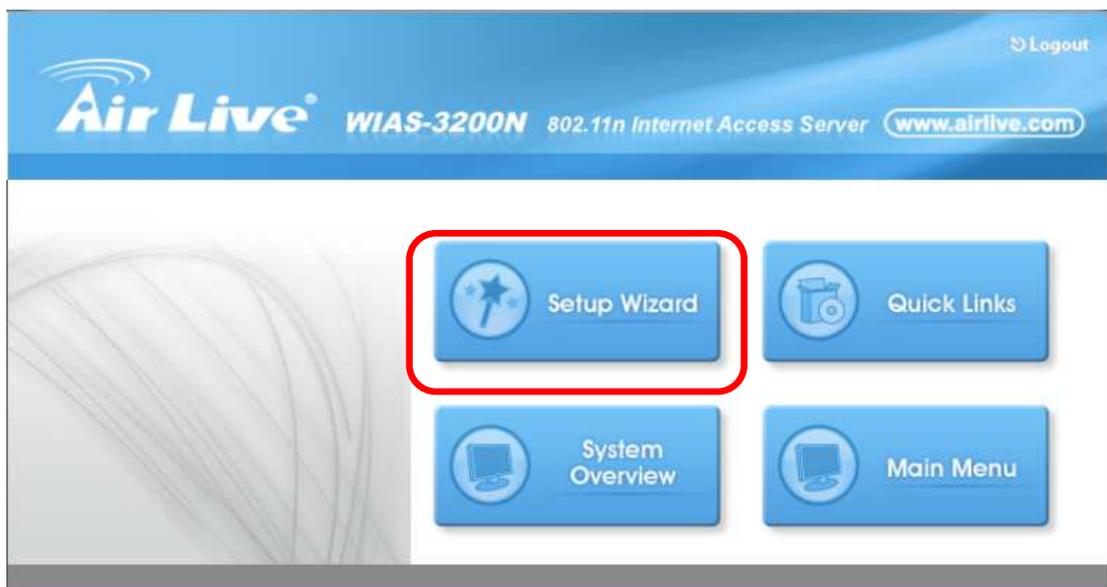


Step2: After connected, Laptop will get an IP address (192.168.11.x) which assigned by the DHCP server from WIAS-3200N.

Step3: Login Web management of WIAS-3200N, simply type <http://192.168.11.254> into the web browser's address field, and type login ID & Password: **admin** & **airlive**.



Step4: After login, please click on "**Setup Wizard**" on the Top-Left Menu.



Step5: Setup the General Setting such as Administrator's password, time and portal URL and then click **Next** button to continue.

For further configuration, you can enter to **System > Zone Configuration**.

The screenshot shows the 'Setup Wizard' interface for the Air Live WIAS-3200N. The page is titled 'Step 1. General'. On the left, there is a sidebar with buttons for 'Step 1' (highlighted), 'Step 2', 'Step 3', 'Step 4', and 'Exit'. Below 'Step 1' is a note: 'It is recommended to change administrator's password, and select an appropriate time zone and NTP server for the system.' The main content area contains the following fields:

- Administrator's Password:** Two input fields for 'New Password' and 'Verify Password', both containing masked characters and marked with an asterisk.
- Time:** A 'Time Zone' dropdown menu set to '(GMT+08:00)Taipei' and an 'NTP Server' input field containing 'tock.usno.navy.mil' with a red asterisk and a note '(e.g. tock.usno.navy.mil)'.
- Portal URL:** A 'Status' section with radio buttons for 'Enable' (selected) and 'Disable', and a 'URL' input field containing 'http://www.airlive.com/' with a red asterisk.

A red box highlights the 'Next' button at the bottom right of the main content area.

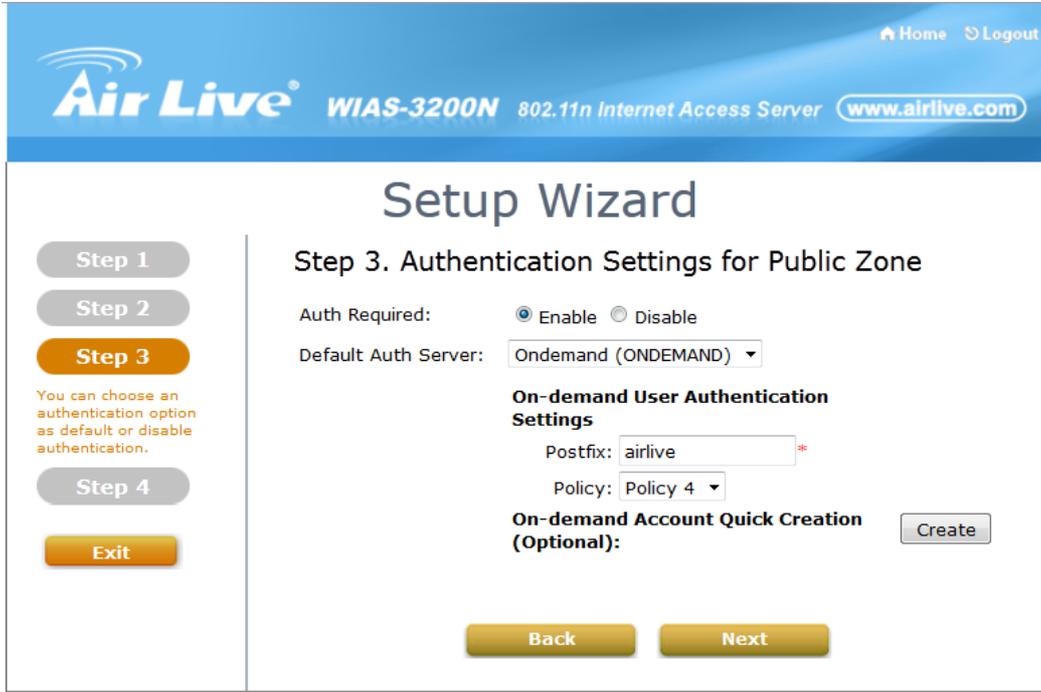
Step6: Setup the WAN and Wireless interface separately and then click **Next** button to continue.

The screenshot shows the 'Setup Wizard' interface for the Air Live WIAS-3200N, now at 'Step 2. WAN and Wireless Interfaces'. The sidebar on the left has 'Step 2' highlighted. The main content area contains the following options:

- Interface:** Radio buttons for 'WAN' (selected) and 'Wireless'.
- Connection Type:** Radio buttons for 'Static (Use the following IP settings)', 'Dynamic (IP settings assigned automatically)' (selected), and 'PPPoE'.

At the bottom, there are 'Back' and 'Next' buttons. A red box highlights the 'Next' button.

Step7: Setup the Authentication Setting for Public Zone. Click on "**Enable**", scroll-down and select on "**ondemand**" , we set postfix "**airlive**" (default) and select the policy, then click **Next** button to continue.

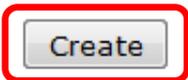
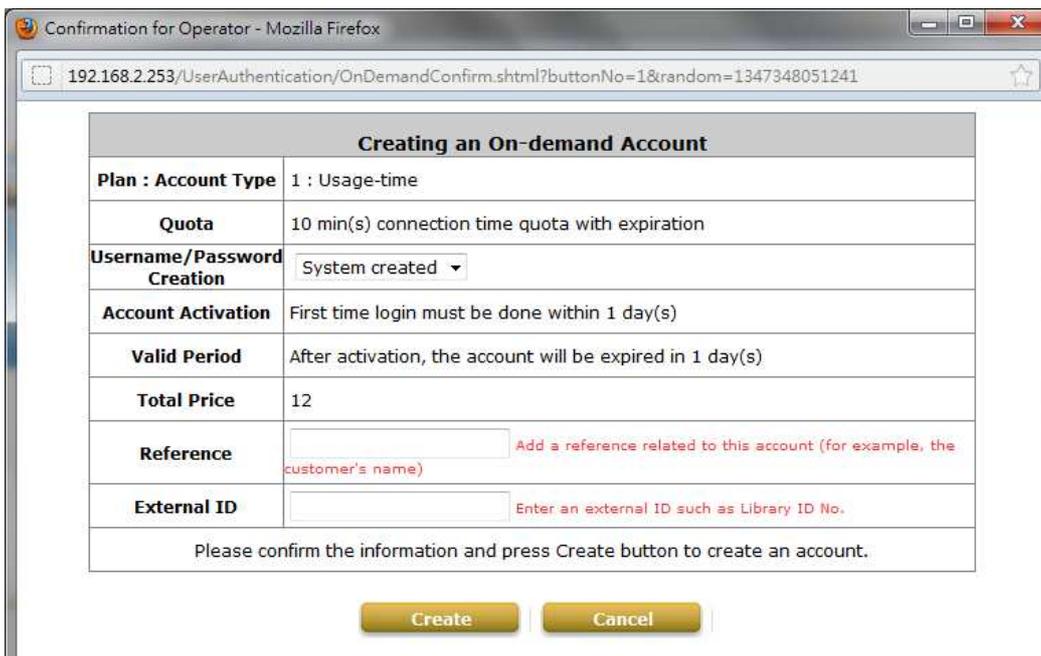


The screenshot shows the 'Setup Wizard' interface for 'WIAS-3200N 802.11n Internet Access Server'. The current step is 'Step 3. Authentication Settings for Public Zone'. On the left, a sidebar shows 'Step 3' as the active step, with 'Exit' and 'Next' buttons below it. The main content area has the following settings:

- Auth Required:** Enable Disable
- Default Auth Server:** Ondemand (ONDEMAND) (dropdown)
- On-demand User Authentication Settings:**
 - Postfix:** airtlive (text input)
 - Policy:** Policy 4 (dropdown)
- On-demand Account Quick Creation (Optional):**

At the bottom, there are 'Back' and 'Next' buttons.

(1) If you want to Quick Create the account, you can click on "**Create**" button. It will show a window for creating an On-demand Account.

The browser window shows a confirmation form for creating an on-demand account. The form fields are as follows:

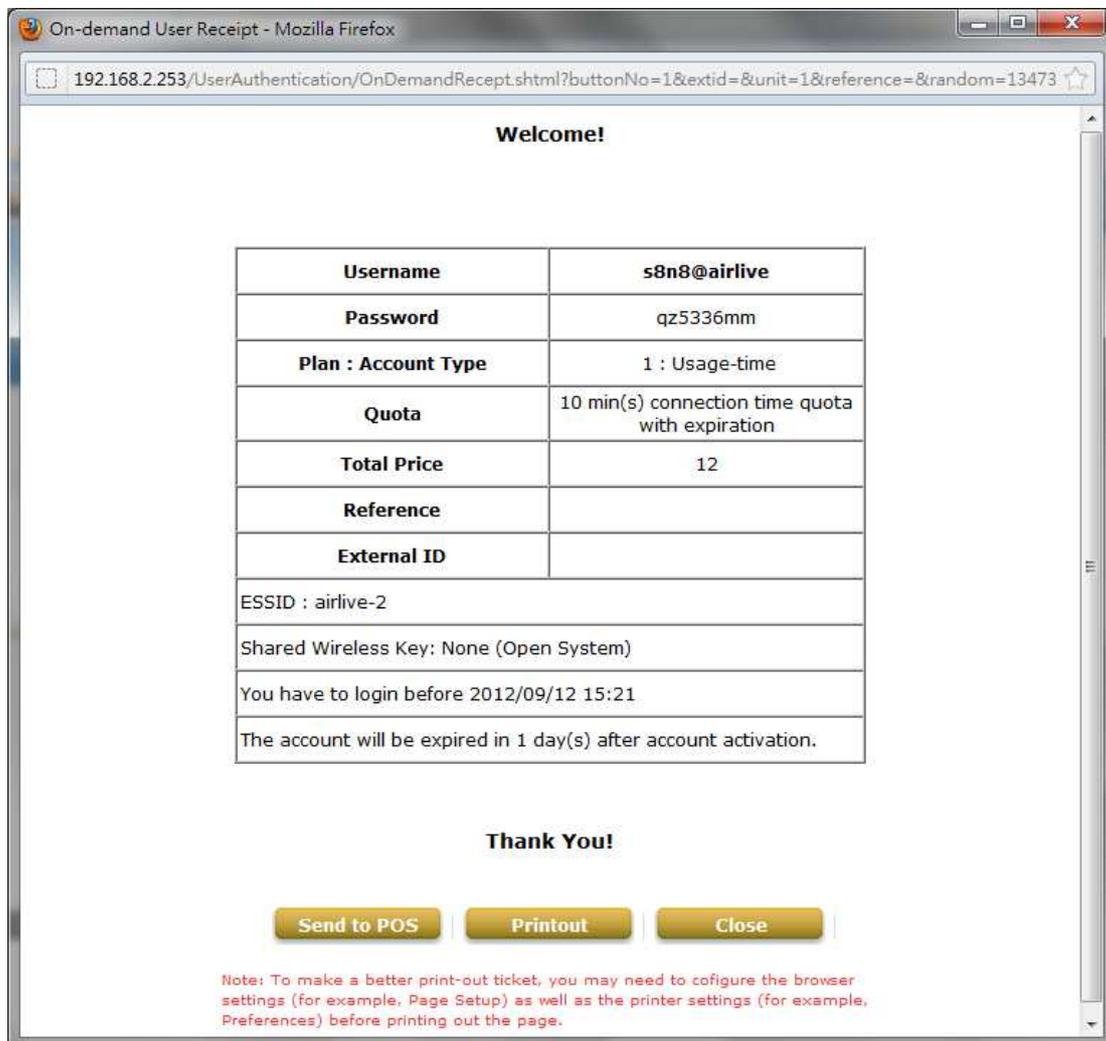
| Creating an On-demand Account | |
|-----------------------------------|---|
| Plan : Account Type | 1 : Usage-time |
| Quota | 10 min(s) connection time quota with expiration |
| Username/Password Creation | System created (dropdown) |
| Account Activation | First time login must be done within 1 day(s) |
| Valid Period | After activation, the account will be expired in 1 day(s) |
| Total Price | 12 |
| Reference | <input type="text"/> Add a reference related to this account (for example, the customer's name) |
| External ID | <input type="text"/> Enter an external ID such as Library ID No. |

Below the form, there is a confirmation message: "Please confirm the information and press Create button to create an account." and two buttons: "Create" and "Cancel".

(2) You can choose "**System created**" or "**Manual created**" Username/password Creation. Then, clicks on "**Create**" button to create an account.

| | |
|-----------------------------------|------------------|
| Username/Password Creation | System created ▼ |
| Account Activation | System created |
| | Manual created |

Step8: You can choose to print out via POS printer which connects to WIAS-3200N or PC connected printer.



On-demand User Receipt - Mozilla Firefox

192.168.2.253/UserAuthentication/OnDemandReceipt.shtml?buttonNo=1&textid=&unit=1&reference=&random=13473

Welcome!

| | |
|----------------------------|---|
| Username | s8n8@airlive |
| Password | qz5336mm |
| Plan : Account Type | 1 : Usage-time |
| Quota | 10 min(s) connection time quota with expiration |
| Total Price | 12 |
| Reference | |
| External ID | |

ESSID : airlive-2

Shared Wireless Key: None (Open System)

You have to login before 2012/09/12 15:21

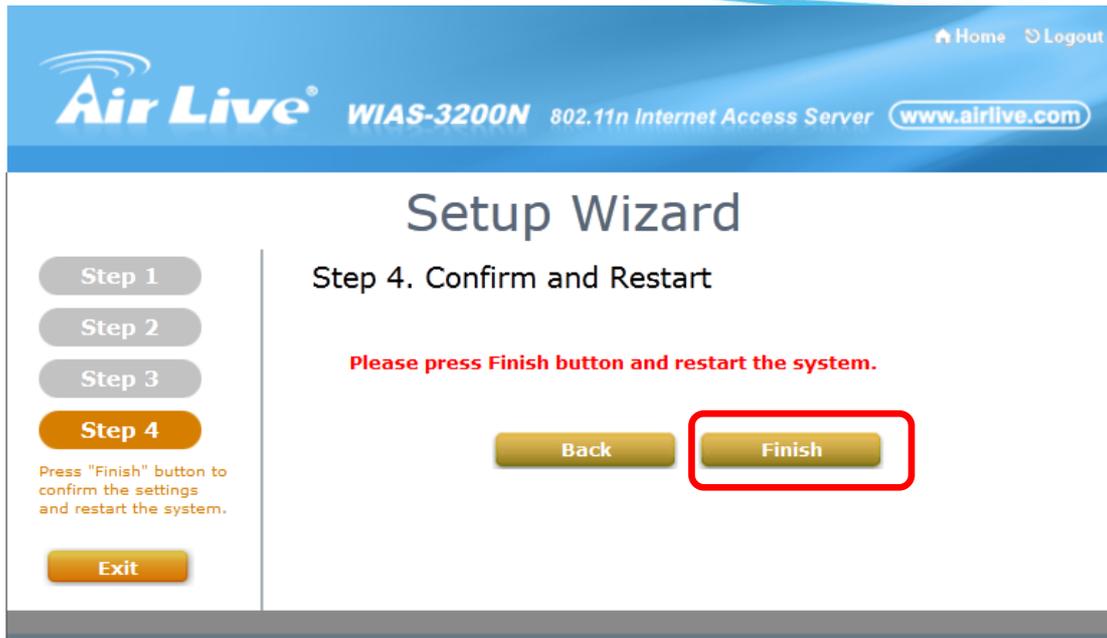
The account will be expired in 1 day(s) after account activation.

Thank You!

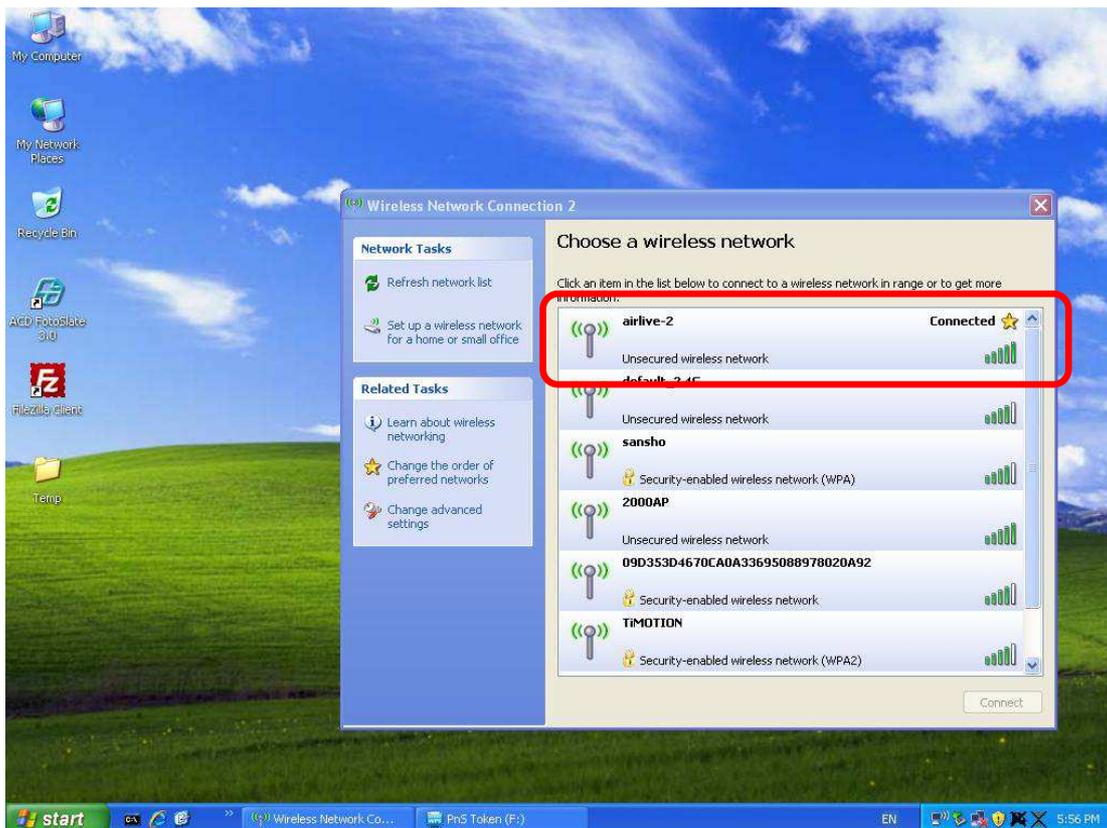
Send to POS Printout Close

Note: To make a better print-out ticket, you may need to configure the browser settings (for example, Page Setup) as well as the printer settings (for example, Preferences) before printing out the page.

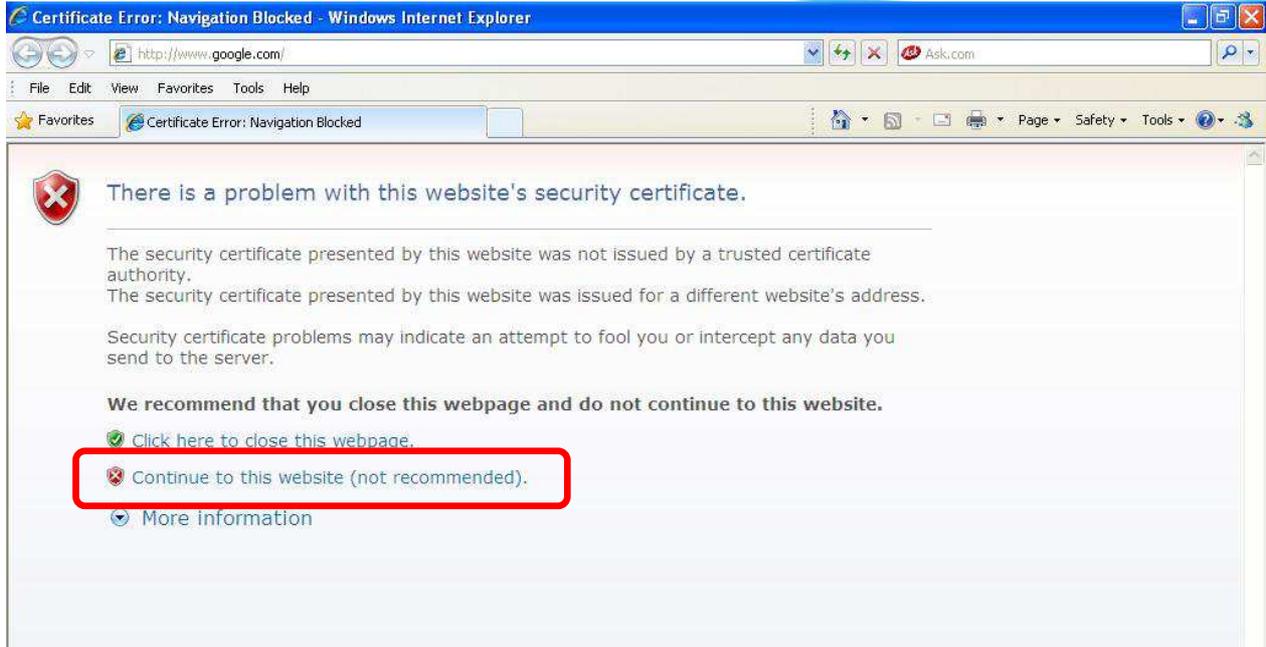
Step9: Click on "**Finish**" to confirm and restart the system.



Step10: Laptop search "airlive-2".



Step11: Open Web browser, click on "Continue to this website (not recommended)".



Step12: It will appear user login page, please type ID & Password.



Step13: After pass the authentication, then you can go to Internet.