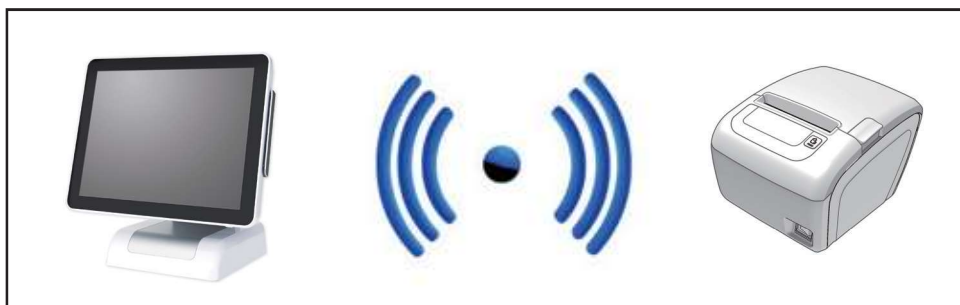


## 4.7. Network Setting Dialog (WLAN Interface)



- Limited AP

Limited AP, which WLAN interface is become AP by itself, can be possible to communicate directly with other terminals (PC, PCPOS etc.) or clients without any other APs.



## 4.7. Network Setting Dialog (WLAN Interface)

### 4.7.3. Install a Virtual COM Driver (Windows XP, POSReady 2009)

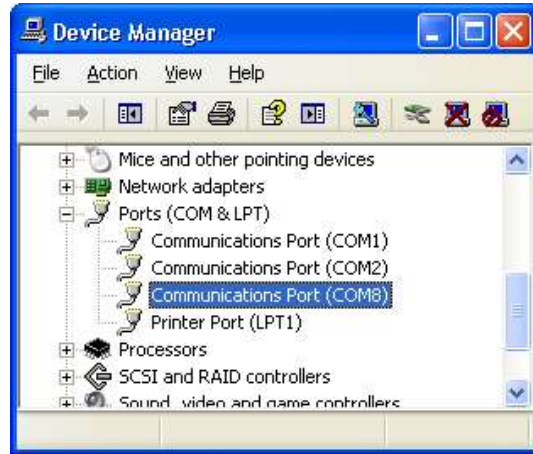
Virtual COM port driver must be installed when WLAN Interface sets up. During installation, Please do these steps are following.

1. Turn a printer off.
2. Install Printer Driver for installing virtual COM driver automatically.  
Please refer to the manual of Printer Driver Installer. (Select a connection type of the printer: ETHERNET CONNECTION Create a TCP/IP Printer Port :The value for use later)
3. Connect a USB cable to printer and PC.
4. Turn a printer on.
5. When "Found New Hardware Wizard" is appeared, select a "Install the software automatically (Recommended)"



## 4.7. Network Setting Dialog (WLAN Interface)

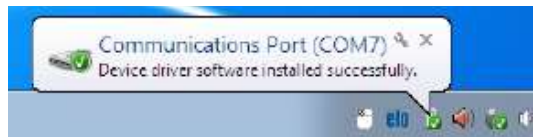
- When the installation is completed, run the "Device Manager" for checking a New Virtual COM port number.



### 4.7.4. Install a Virtual COM Driver (Windows 7, POSReady 7)

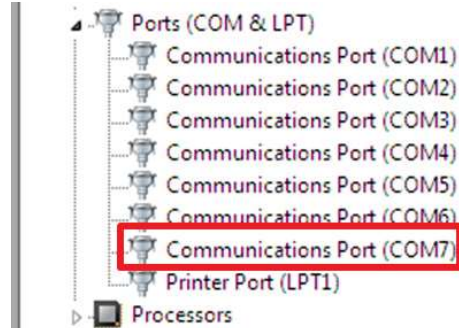
Virtual COM port driver must be installed when WLAN Interface to set up. During installation, Please proceed as follows, depending.

- Turn a printer off.
- Install Printer Driver for installing virtual COM driver automatically.  
Please refer to the manual of Printer Driver Installer.  
(Select a connection type of the printer: ETHERNET CONNECTION  
Create a TCP/IP Printer Port: The value for use later)
- Connect a USB cable to printer and PC.
- Turn a printer on.
- When Virtual COM port is installed properly in Windows, this balloon appears as shown.



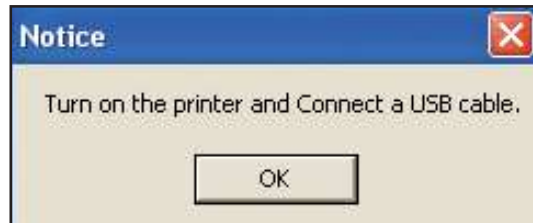
## 4.7. Network Setting Dialog (WLAN Interface)

6. When the installation is completed, run the “Device Manager” for checking a New Virtual COM port number.



### 4.7.5. Infrastructure mode setting

Click “**WLAN Setting**” Button in dialog. When message box is appeared, turn a printer on and then connect USB cable PC and printer.



## 4.7. Network Setting Dialog (WLAN Interface)

Click “**Search**” button to search AP list.

When message box is appeared, click "OK" button.

The screenshot shows the 'VCOM Port' window with the 'Info' tab selected. The 'Search' button is visible. Below the 'Deep Scan' checkbox is a table with columns: SSID, CHANNEL, TYPE, RSSI, and SECURITY. The table is currently empty. Below the table is the 'NETWORK SETTING' section with fields for SSID, PASSWORD, SECURITY, WEP Encryption Key, IP, SUBNET, GATEWAY, and PORT. The 'Exit' and 'Set Value' buttons are at the bottom.

When “Search AP” is completed, WLAN interface information and list of around the AP devices appear.

- SSID : AP Name
- CHANNEL: Communication channel
- TYPE : Operation mode
- RSSI : Received signal strength indication
  - O: Weak signal
  - OO : Normal signal
  - OOO : Strong signal

The screenshot shows the 'VCOM Port' window with the 'Info' tab selected. The 'Search' button is visible. Below the 'Deep Scan' checkbox is a table with columns: SSID, CHANNEL, TYPE, RSSI, and SECURITY. The table is populated with the following data:

SSID	CHANNEL	TYPE	RSSI	SECURITY
song	1	Infra	OOO	Open
BONG	1	Infra	OO	WEP
JYUW_WIFI	5	Infra	OO	WPA2
Evan 2.4G	2	Infra	OOO	WPA2
106F3F61AA38-1	1	Infra	OO	Open
Tabby-Demo	1	Infra	OO	Unknown
타비2	5	Infra	OO	WPA2
SIMMS	6	Infra	OO	WEP
Tabby-Demo	7	Infra	OOO	WPA2-Mixed
security	1	Infra	OO	Open

Below the table is the 'NETWORK SETTING' section with fields for SSID, PASSWORD, SECURITY, WEP Encryption Key, IP, SUBNET, GATEWAY, and PORT. The 'Exit' and 'Set Value' buttons are at the bottom.

## 4.7. Network Setting Dialog (WLAN Interface)

Select the SSID of AP which you want to connect. (**You must select Normal or Strong signal SSID for a safety communication.**)

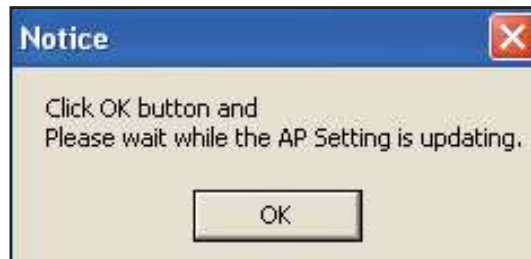
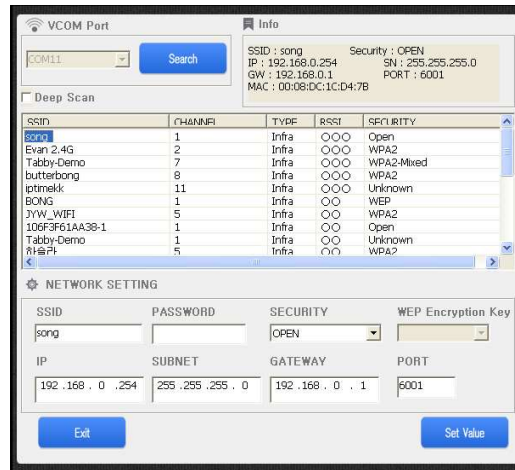
If you need a password for connection, enter a **PASSWORD**.

Enter the Network setting values (IP, SUBNET, and GATEWAY) that are assigned from the **network administrator**. And then click "SET Value" button.

Click the "OK" button; please wait for the completion of setting.

When the setting is completed, this message appears as shown in the figure. Then disconnect the USB cable from the printer, the printer off and turn it on.

*Note: PC and the printer must be on the same network.*

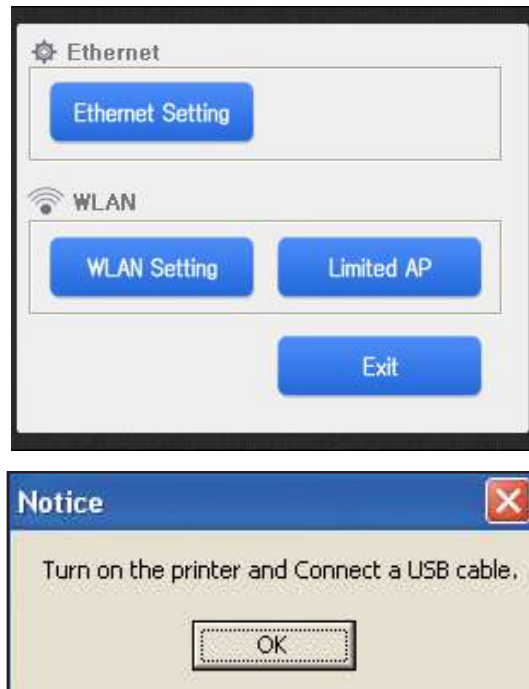


## 4.7. Network Setting Dialog (WLAN Interface)

### 4.7.6. Limited AP setting

Click “**Limited AP**” Button to in dialog.

When a message box is appeared, turn a printer on and then connect USB cable between PC and printer.



## 4.7. Network Setting Dialog (WLAN Interface)

Click “**Search**” button to start WLAN interface setting.

After a few seconds you can see the value of setting WLAN Interface as following image.

- AP NAME: WLAN Interface SSID
- PASSWORD: Password to connect WLAN Interface (Enter a password with 10 number digit or alphabetic value.)
- MAC ADDRESS : MAC address of WLAN Interface
- IP : WLAN Interface IP
- SUBNET : WLAN Interface Subnet
- GATEWAY : WLAN Interface Gateway
- PORT : WLAN Interface Port number (6001,only)

VCOM Port

COM11 Search

NETWORK SETTING

AP NAME	PASSWORD	SECURITY	CHANNEL
IP	SUBNET	GATEWAY	
MAC ADDRESS	PORT		
		Set Value	

Exit

VCOM Port

COM11 Search

NETWORK SETTING

AP NAME	PASSWORD	SECURITY	CHANNEL
song			7
IP	SUBNET	GATEWAY	
192.168.0.254	255.255.255.0	192.168.0.1	
MAC ADDRESS	PORT		
00:08:DC:1C:D4:7B	6001	Set Value	

Exit

Enter unique AP name and 10-digit password and then set a network values (IP, SUBNET and GATEWAY etc ...).

**Ex) AP NAME : TEST\_AP**

**PASSWORD : 1234567890**

**SECURITY : WPA2-AES**

**CHANNEL : 7**

**IP : 192.168.0.254**

**SUBNET : 255.255.255.0**

**GATEWAY : 192.168.0.1**

VCOM Port

COM11 Search

NETWORK SETTING

AP NAME	PASSWORD	SECURITY	CHANNEL
TEST_AP	1234567890	WPA2-AES	7
IP	SUBNET	GATEWAY	
192.168.0.123	255.255.255.0	192.168.0.1	
MAC ADDRESS	PORT		
00:08:DC:1C:D4:7B	6001	Set Value	

Exit

Notice

Click OK button and  
Please wait while the AP Setting is updating.

OK

Click the “Set Value” button; please wait for the completion of setting.



## 4.7. Network Setting Dialog (WLAN Interface)

When the setting is complete, a message appears as shown in the figure.

Disconnect the USB cable from the printer, then turn the printer off and turn it on.



To make sure it is set up properly, try searching WLAN interface.

This figure shows result of connection to WLAN interface on iPhone.

**Please refer to the manual for how to set up a wireless network of wireless LAN equipment you are using.**



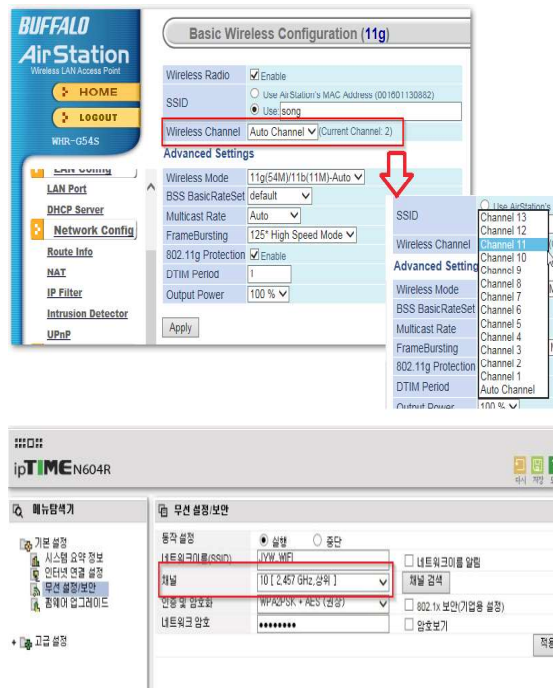
## 4.7. Network Setting Dialog (WLAN Interface)

### 4.7.7. WLAN Tips

The following content is the WLAN tips. Please reference.

Q : Printer reaction is too slow, or ping time value is too large.

A : Please try to move closer the physical distance to the WLAN interface and AP router. If there is no improvement, Please try to change the current channel of the wireless LAN channel (Wireless Channel) to another channel in the router settings. The following is an example of the router settings.



Q : WLAN settings are not saved in Infrastructure mode. The self-test sheet is not display before saved network settings.

A : Is encryption method of router that you are trying to connect is WEP? WEP is an older encryption scheme is vulnerable to security. Also, the router operating in abnormal mixed mode, there is a possibility that WLAN configuration is not performed. The recommended encryption method is WPA system. Even as it's inconvenient, please change the router settings to WPA for security.

## 4.7. Network Setting Dialog (WLAN Interface)

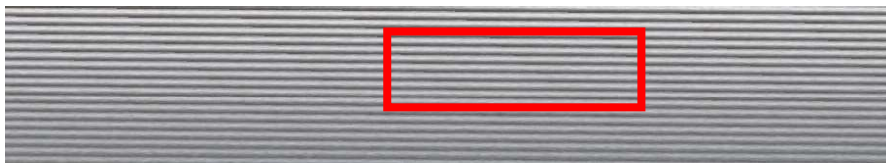
Q : My AP is not detected in Infrastructure mode.

A : Please try to move close to the distance of the AP and the printer.  
Also, please make sure that radio frequency band of the AP is 2.4GHz.  
WLAN interface, does not support the AP frequency of 5GHz.

### **4.7.8. WLAN factory reset**

To initialize the WLAN interface, please proceed as follows.

1. Turn on the printer. And, wait for 10 seconds.
2. Press 3 times per second the RESET button on the back of the printer.



3. Then, LINK LED will blink 3 times.
4. Turn off the printer