

How to change SP912 from Bridge to Access Point mode

1. Since this device has changed to **Bridge** mode, the default IP address is 192.168.1.1.
2. Enter the default **IP address (192.168.1.1)** into the address bar of web-browser.
3. By default, a **user name** and **password** is "admin".
4. Once you have logged in, click on the **Admin** link on the navigation bar.
5. Look for Commands function and then click on the **Switch** button to switch the operation mode to **Access Point**.
6. Wait for about 1 minute and the device will automatically restart into **Access Point** mode.

IP Address Mode: Static DHCP

Default IP address: 192.168.1.1

Default subnet mask: 255.255.255.0

Default gateway: 0.0.0.0

Device name: (This is optional)

Allow upgrade uploads: (Leave this off during normal operation)

Cloning bridge:

Use this option to enable MAC cloning. Bridge will set the wireless interface to use the MAC address of a device from the wired side. Multiple devices can be connected but only the first device will be cloned. This is required for special networking situations, Eg. XBox, or some IPX device networking.

Fragmentation threshold: 2346

RTS threshold: 2432

User name:

Administrator password: (Re-enter for confirmation)

Save Cancel

Commands

Reset to factory defaults: Reset

Switch to AP: Switch

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Status

Click on the **System** link on the navigation bar. The information page is the first page that is displayed once you have logged in. You can know what mode you are using and realize system information.

Access Point Mode

System
Wireless
Filter
Admin

INFORMATION Basic information about this access point. NOTE: You may have to reload this page to see the current settings.

AP firmware: 2.0.0
WLAN Primary firmware: 1.1.0
WLAN Secondary firmware: 1.4.9
WLAN Tertiary firmware: 1.3.8
MAC address of AP: 00026F05F695
Current IP address: 192.168.1.1

ASSOCIATIONS This is a list of all the stations that are associated, along with the amount of time since packets were transferred to or from each station. If a station is idle for too long, it is removed from this list. NOTE: You may have to reload this page to see the current settings.

MAC address Time idle (minutes)

Bridge Mode

System
Wireless
Station
Admin

Information Information about the bridge. NOTE: You may have to re-load this page to see the current settings.

AP information:
Connected to SSID: wireless
Using channel: 6
MAC address of Access Point: 02113E057835
Current transmission rate (Mbps): 11
Current communications quality (%): 100

Bridge information:
MAC address of the Bridge: 00026F05F695
Current IP address: 192.168.1.1
Bridge firmware: 2.0.0
WLAN Primary firmware: 1.1.0
WLAN Secondary firmware: 1.4.9

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Specifications

Model	SP912
Standard	IEEE 802.11b compliant
LAN Port	One 10Base-T RJ-45 LAN Port
Radio Modulation	DSSS
Frequency Band	2.4 GHz
Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Output Power (Max)	23 dBm
Security	MAC address filtering (AP Mode), WEP Encryption (64/128 bit), Hide SSID in beacons, and Wireless Isolation in AP Mode
Operation Channel	11/N. America(FCC), 13/Europe (ETSI)
Operation Mode	Point-to-Point, Point-to-Multipoint, Infrastructure
Antenna Type	TNC Female-Reverse
Management	Web-Based
Power	DC 12V, 1A
Weight (g)	350
Dimension (mm)	125 x 105 x 31
Operating Temperature (°C)	0°C - 55°C
Operating Humidity	5% - 95%, Typical
Emission	FCC Part 15/UL, ETSI 300/328/CE

Micronet
Making Communication Easier



Quick Installation Guide

Wireless LAN Bridge

Model No.: SP912



P/N: 2300-0470

Web: www.micronet.com.tw

Introduction

Thank you for purchasing Micronet Wireless LAN Bridge SP912. It operates seamlessly in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) wireless standards. It's the best way to add wireless stable to your existing wired network. SP912 has high transmitted output power and high receivable sensitivity. High output power and high sensitivity can extend range and coverage to reduce the roaming between APs to get more stability wireless connection. It also can reduce the expense of equipment in the same environment.

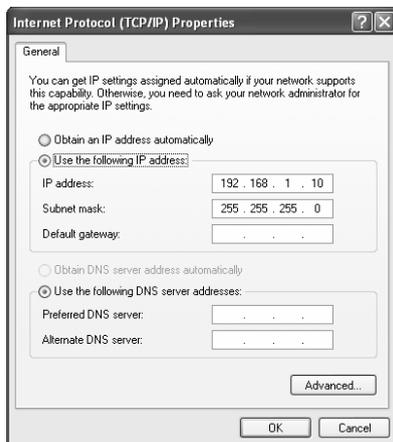
To protect your wireless connectivity, SP912 can encrypt all wireless transmissions through 64/128-bit WEP data encryption. The MAC address filter lets you select exactly which stations should have access to your network. This user guide is aimed at helping you easily set up this device. Before your installation, please read the following procedures carefully.

Package Contents

- One SP912 Unit
- One Power Adapter (12V, 1A)
- One Omni directional Antenna
- One CD-ROM with User's Manual
- One Quick Installation Guide

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Step2. Select **Internet Protocol (TCP/IP)**, and then click on the **Properties** button. This will allow you to configure the TCP/IP settings of your PC/Notebook.



Step3. Select **Use the following IP Address** radio button and then enter the IP address and subnet mask. Ensure that the IP address and subnet mask are on the same subnet as the device.

For Example : Device IP address: 192.168.1.1
PC IP address : 192.168.1.10
PC Subnet Mask : 255.255.255.0

Step4. Click on the **OK** button to close this window, and then you can once again to close LAN properties windows.

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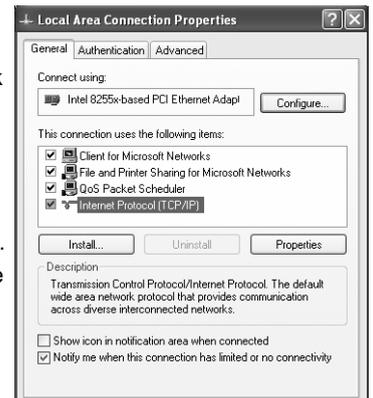
Installation

1. **Wired LAN connection:** Connect an Ethernet cable (i.e. UTP/STP Straight RJ45) from your computer's Ethernet (RJ45) port to LAN port of this Client Bridge.
2. **Wireless LAN connection:** Locate this Client Bridge at open environment to gain best Signal Strength.
3. **Power on:** Plug the power cord into the outlet and this Client Bridge.

IP Address Configuration

This device can be configured in Bridge mode or Access Point mode. The default IP address of the device is **192.168.1.1**. In order to log into SP912, you must first configure the TCP/IP settings of your PC/Notebook.

Step1. In the control panel, double click Network Connections and then double click on the connection of your Network Interface Card (NIC). You will then see the following screen.

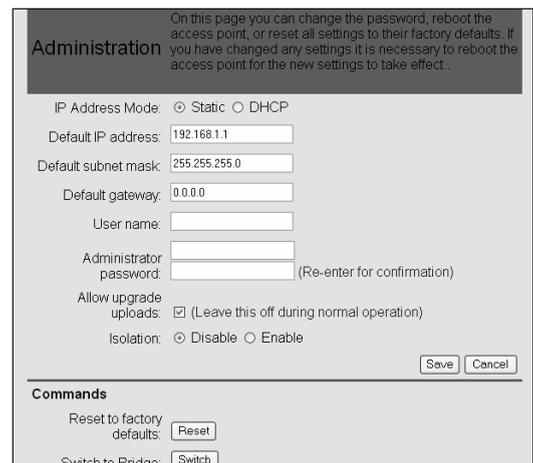


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Configure SP912 in AP / Bridge Mode

How to change SP912 from Access Point to Bridge

1. SP912's default setting is **Access Point** mode, and this device's management IP address is 192.168.1.1.
2. Enter the **default IP address (192.168.1.1)** of the bridge into the address bar of the web-browser.
3. By default, a **user name and password is "admin"**.
4. Once you have logged in, click on the **Admin** link.
5. Look for Commands function and then click on the **Switch** button to switch the operating mode to **Bridge** mode.
6. Wait for about 1 minute and the device will automatically restart into **Bridge** mode.



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