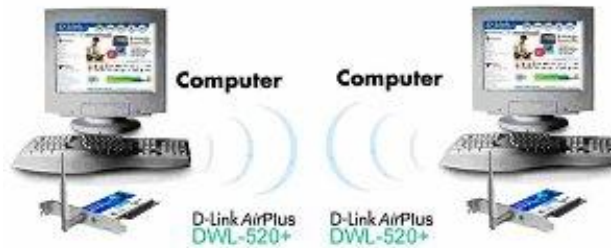# Wireless LAN Setup

1. 2 Computers, 1 Workgroup

Ÿ Setup:

Ÿ Procedure:

1. Install Wireless NIC to each of the two computers
   (See the document: "Installation of Wireless Network Adapter" for instructions.)

2. Start **Configuration Utility** program by clicking on the utility icon (appear green if connected to a network) in system tray.

3. Configure the following network settings to be exactly the same on both computers:

Recommended Wireless Network Setting for Client-to-client:

- SSID   :   **bmetlab** (Name of the belonged wireless network group)
- Mode   :   **Ad-Hoc** (Connect without Access Point)
- Channel   :   **6** (Any desired number from 1 – 11)
- Tx Rate   :   **Fully Automatic** (Setting of connection speed)
- Preamble   :   **Long** (for *DWL-520+* Adapter ONLY)
- Power mode   :   **Continuous** (for *DWL-520+* Adapter ONLY)
- Encryption   :   **64 Bit WEP**
                         :   **0123456789** (WEP Key#1)

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2. 4 Computers, 1 Workgroup

Ÿ Setup:

Ÿ Procedure:

1. Install Wireless NIC to each of the four computers
   (See the document: "Installation of Wireless Network Adapter" for instructions.)

2. Start **Configuration Utility** program by clicking on the utility icon (appear green if connected to a network) in system tray.

3. Configure the following network settings to be exactly the same on both computers:

Recommended Wireless Network Setting for Client-to-client:

- SSID   :   **bmetlab** (Name of the belonged wireless network group)
- Mode   :   **Ad-Hoc** (Connect without Access Point)
- Channel   :   **6** (Any desired number from 1 – 11)
- Tx Rate   :   **Fully Automatic** (Setting of connection speed)
- Preamble   :   **Long** (for *DWL-520+* Adapter ONLY)
- Power mode   :   **Continuous** (for *DWL-520+* Adapter ONLY)
- Encryption   :   **64 Bit WEP**
                             :   **0123456789** (WEP Key#1)

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3. **4 Computers, 2 Workgroup**

Ÿ **Setup:**

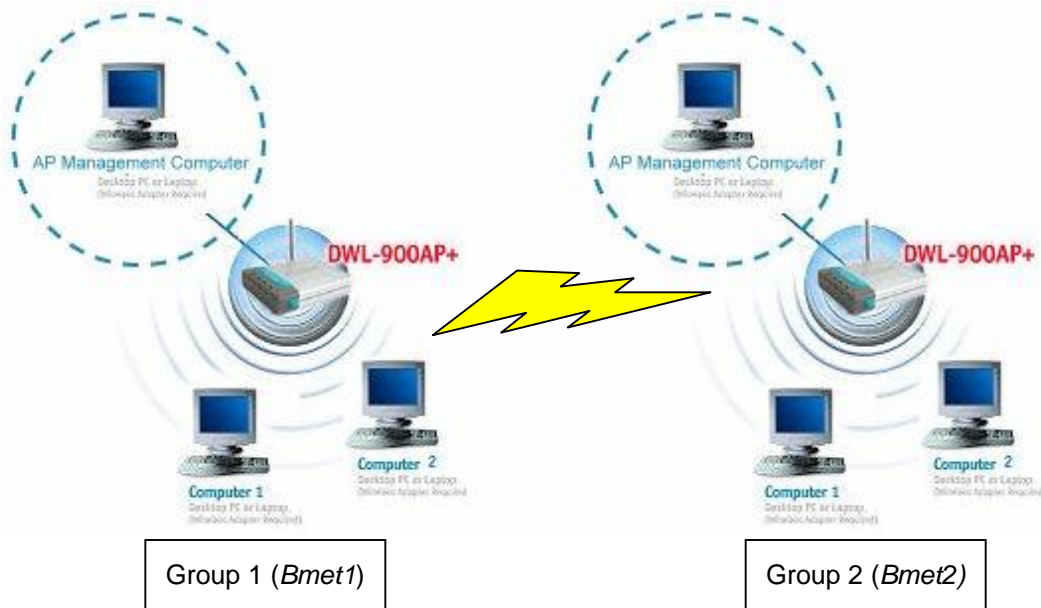

| Group 1 (*Bmet1*) | Group 2 (*Bmet2*) |

Ÿ **Procedure:**

1. Install Wireless NIC to each of the four computers
   (See the document: "Installation of Wireless Network Adapter" for instructions.)

2. Start **Configuration Utility** program by clicking on the utility icon (appear green if connected to a network) in system tray.

3. Configure the following network settings to the two different groups of computers:

Recommended Wireless Network Setting for Client-to-client:		
Group 1 (*Bmet1*)	• SSID	: **Bmet1** (Name of the belonged wireless network group)
	• Mode	: **Ad-Hoc** (Connect without Access Point)
	• Channel	: **6** (Any desired number from 1 – 11)
	• Tx Rate	: **Fully Automatic** (Setting of connection speed)
	• Preamble	: **Long** (for *DWL-520+* Adapter ONLY)
	• Power mode	: **Continuous** (for *DWL-520+* Adapter ONLY)
	• Encryption	: **64 Bit WEP key#1: 0123456789** *(HEX)*
Group 2 (*Bmet2*)	• SSID	: **Bmet2** (Name of the belonged wireless network group)
	• Mode	: **Ad-Hoc** (Connect without Access Point)
	• Channel	: **8** (Any desired number from 1 – 11)
	• Tx Rate	: **Fully Automatic** (Setting of connection speed)
	• Preamble	: **Long** (for *DWL-520+* Adapter ONLY)
	• Power mode	: **Continuous** (for *DWL-520+* Adapter ONLY)
	• Encryption	: **64 Bit WEP key#1: 0123456789** *(HEX)*

4. **4 Computers with Access Point**

Ÿ **Setup:**

| Group 1 (*Bmet1*) | Group 2 (*Bmet2)* |

Ÿ **Procedure:**

1. Configure each of the four computers as described in Setup #3, except changing the *Mode* to ***Infrastructure***

2. Start ***AP Manager*** program (for DWL-1000AP) or access ***AP Configuration Menu*** (for DWL-900AP+) to change the AP setting.

   è *AP Manager:* **Start** > **Programs** > **D-Link Wireless LAN** > **D-Link AP manager**

   è *AP Configuration Menu:* Open **Internet Explorer** > **http://192.168.0.50** (default) or the **assigned IP address** for each AP.

3. Configure the following network settings to the two different groups of computers:

Recommended Wireless Network Setting for Client-to-client:		
Group 1 (*Bmet1*)	• <u>AP Name</u> :	***BMET_AP1*** (for DWL-900AP+ ONLY)
	• <u>SSID</u> :	***Bmet1*** (Name of the belonged wireless network group)
	• <u>Channel</u> :	***6*** (Any desired number from 1 – 11)
	• <u>Encryption</u> :	***64 Bit WEP key#1: 0123456789 (HEX)***
	• <u>LAN IP</u> :	***Static IP Address: 100.100.100.1***
	:	***Subnet mask: 255.0.0.0*** ; ***Gateway: 0.0.0.0***
	• <u>DHCP</u> :	***Disabled*** (for *DWL-900AP+* Adapter ONLY)
	• <u>Adv. Mode</u> :	***Wireless Bridge*** (ONLY work with another dwl-900AP+)
	(dwl-900ap+)	*Otherwise, select **Access Point / Repeater***
Group 2 (*Bmet2*)	• <u>AP Name</u> :	***BMET_AP2*** (for DWL-900AP+ ONLY)
	• <u>SSID</u> :	***Bmet2*** (Name of the belonged wireless network group)
	• <u>Channel</u> :	***8*** (Any desired number from 1 – 11)
	• <u>Encryption</u> :	***64 Bit WEP key#1: 0123456789 (HEX)***
	• <u>LAN IP</u> :	***Static IP Address: 100.100.100.2***
	:	***Subnet mask: 255.0.0.0*** ; ***Gateway: 0.0.0.0***
	• <u>DHCP</u> :	***Disabled*** (for *DWL-900AP+* Adapter ONLY)
	• <u>Adv. Mode</u> :	***Wireless Bridge*** (ONLY work with another dwl-900AP+)
	(dwl-900ap+)	*Otherwise, select **Access Point / Repeater***