

IMPORTANT!

This Guide refers to the following Products:



**F5D7330 v.1
Wireless
Ethernet Bridge/
Gaming Adapter**

F5D7330 - Setting Up An Ad Hoc Connection

Please read the following carefully;

Synopsis:

This guide is designed to assist in you in forming an ad hoc connection between your F5D7330 Wireless Ethernet Bridge/Gaming Adapter and at least one other Wireless Client Adapter.

An Ad hoc or Peer-To-Peer Wireless Network is one that does not involve an Wireless Infrastructure Device such as a Wireless Access Point, Router or Modem Router.

Requirements:

In order to perform the steps as outlined in this document you will need the following equipment as a minimum requirement;

- 1 x F5D7330 Ethernet Bridge/ Gaming Adapter
- 2 Computers with a working LAN (Ethernet) Port*
- 1 x Cat 5 Cable (supplied with F5D7330)
- At least one other Wireless Client Adapter

*A Gaming device such as an Xbox could be used I place of a Computer if equipped with an RJ45 Ethernet Port. Initial configuration must however be done from a PC.

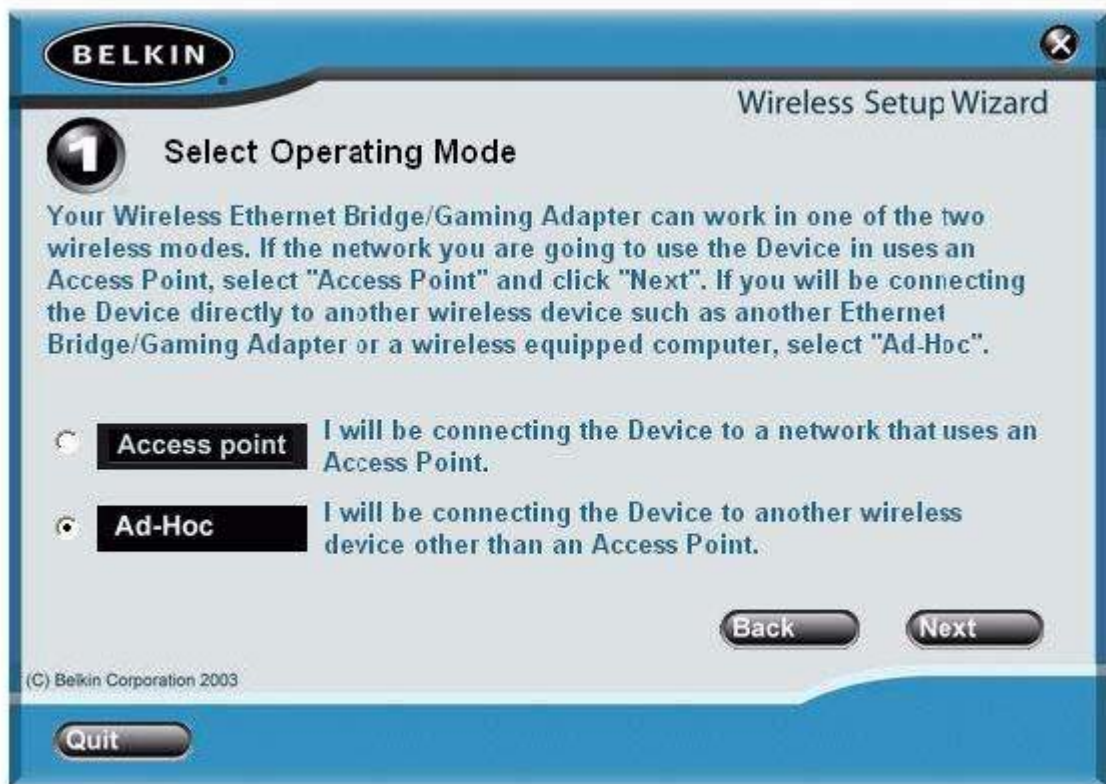
F5D7330 - Setting Up An Ad Hoc Connection

An Ad Hoc or Peer-To-Peer connection is usually between two Wireless Client Adapters, though may involve additional Client Adapters as well. Wireless Client Adapters are designed by default to search for available Wireless Devices such as Routers and Access Points. If no such Devices exist then the Client Adapters will not find each other unless configured to do so.

Within any Ad Hoc Network there must always be a 'Master Device'. This is the Device which will be configured to 'send' a Wireless Signal that the other Ad Hoc Devices can then 'detect'.

Using The Wireless Setup Wizard

Ad Hoc Mode can be enabled with ease using the Wireless Setup Wizard found on the accompanying CD-ROM. Simply run the Wizard and select your Device from the list when prompted. This will lead you to the following screen;



Select 'Ad-Hoc' and then click 'Next'.

Next you will need to enter an SSID for your new Ad Hoc Network. This is the Service Set Identifier or Wireless Network Name that will be displayed when other Wireless Devices search and discover your Device.

2 Network Settings

Below, enter the settings for the wireless network that you will be connecting to. For instance, if the name (SSID) of the wireless network that you will be connecting to is WLAN, enter WLAN in the SSID field. If you chose to connect in Ad-Hoc mode, you will specify the channel. You can also give this Wireless Ethernet Bridge/Gaming Adapter a unique name to help identify it later.

SSID Enter the name (SSID) of the network that you will be connecting to.

Channel If you chose to connect in Ad-Hoc mode, enter the channel to use.

Adapter Name Name the Device so you can easily identify it on the network later.

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The Channel that you choose and the Adapter Name that you enter are largely irrelevant at this juncture. Once the Information has been entered to your requirements please click on 'Next'.

Your F5D7330 at this stage is no longer searching for available wireless Devices, but is itself now sending or broadcasting a Wireless signal of its own that other devices can detect.

Try scanning for available devices from your second Wireless Client Adapter to see if the F5D7330 in Ad Hoc mode can now be detected.

TIP:

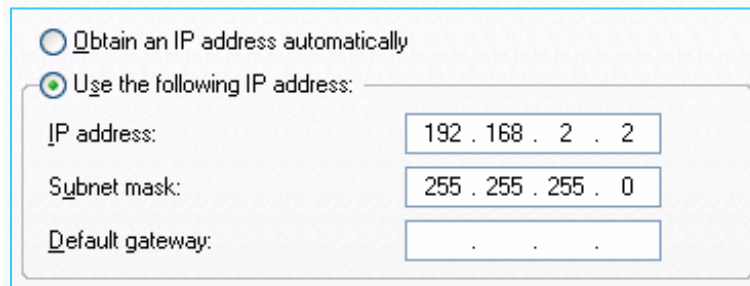
If after a couple of attempts the SSID of your Ad Hoc Network has not been detected by your second Wireless Client Adapter then repeat the steps as outlined above, this time choosing an alternate Wireless Channel than the one previously selected.

Using The User Interface

The F5D7330 also has an integrated Web User Interface that can be reached by opening an Internet Browser and navigating to the default IP Address which is **192.168.2.225**. However in order to do this we will need to ensure that your Computer's LAN Port is in the same IP Range which will enable both devices to communicate with one another.

To assign a 'Static IP Address' to your Computer's LAN Port please do the following;

- Open the Start Menu
- Navigate to the 'Control Panel' – 'Settings' may need to be selected first.
- Navigate to the 'Network Connections'
- Locate the 'Local Area Connection' that is being used and right-click the icon
- Select 'Properties' from the bottom of the Menu that appears
- A new Window will open which will default to the 'General' tabbed section.
- Select 'Internet Protocol (TCP/IP)' from the large box and then 'Properties'
- A new Window will open - Select the option to 'Use The Following IP Address'
- Enter the details as shown below (The Subnet Mask is filled in automatically)



The screenshot shows the 'Internet Protocol (TCP/IP) Properties' dialog box. The 'Use the following IP address' radio button is selected. The IP address is set to 192.168.2.225, the Subnet mask is 255.255.255.0, and the Default gateway is blank.

<input type="radio"/> Obtain an IP address automatically	
<input checked="" type="radio"/> Use the following IP address:	
IP address:	192 . 168 . 2 . 2
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	. . .

- Ignore the remaining options and click on 'OK' so that this Window closes
- Click on 'Close' on the Local Area Connection properties Window so it closes
- Your Computer may take a moment to apply the changes

You are now ready to navigate to the User Interface of the F5D7330 so open your Internet Browser and type in the IP-Address '192.168.2.225' and click on 'Go' or press 'ENTER'.

You should now be able to see the 'Status' page of the User Interface. To continue select 'Settings' or 'Bridge Settings' from the Menu on the left-hand side of the Interface so that the following screen appears;

Settings > Wireless Ethernet Bridge/Gaming Adapter Settings

LAN Settings

Adapter Name >	<input type="text" value="F5D7330"/>
IP Configuration>	<input checked="" type="radio"/> Manually set the Adapter's IP address <input type="radio"/> Obtain an IP address from a DHCP server More Info
IP Address >	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="225"/> More Info
Subnet Mask >	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/> More Info
Gateway IP Address >	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="225"/>

Wireless Settings

SSID >	<input type="text" value="Home"/>	<input type="button" value="Site Survey"/>
Mode >	<input type="radio"/> Infrastructure(Network uses an AP) <input checked="" type="radio"/> Ad-Hoc(Peer-to-Peer)	
Channel >	<input type="text" value="11"/> More Info	
WEP Encryption >	<input type="text" value="none"/> More Info	
Authentication Mode >	<input type="text" value="open+shared"/>	
Key ID >	<input type="text" value="1"/>	
Network Key >	<input type="text"/>	<input type="radio"/> Set with Passphrase <input checked="" type="radio"/> Use Hex Key

Under 'Wireless Settings' you can assign an 'SSID' or 'Wireless Network Name' to your Device as well as set it to 'Ad Hoc (Peer To Peer)' Mode. Once the settings have been entered as desired the changes should be saved by clicking on 'Apply Changes'.

Your F5D7330 at this stage is no longer searching for available wireless Devices, but is itself now sending or broadcasting a Wireless signal of its own that other devices can detect. Try scanning for available devices from your second Wireless Client Adapter to see if the F5D7330 in Ad Hoc mode can now be detected.