

**FIGURE 8-6:**  
Configuring DHCP  
for a typical  
wireless router.

The screenshot shows a web browser window with the address bar displaying '192.168.0.1/bsc\_lan.php'. The page title is 'D-LINK SYSTEMS, INC.'. The main content area is titled 'DHCP SERVER SETTINGS' and includes a sub-header: 'Use this section to configure the built-in DHCP server to assign IP address to the computers on your network.'

The settings are as follows:

- Enable DHCP Server :** ☒
- DHCP IP Address Range :** 100 to 199 (addresses within the LAN subnet)
- DHCP Lease Time :** 10080 (minutes)
- Always broadcast :** ☐ (compatibility for some DHCP Clients)
- NetBIOS announcement :** ☐
- Learn NetBIOS from WAN :** ☐
- NetBIOS Scope :** (optional)
- NetBIOS node type :**
  - ☐ Broadcast only (use when no WINS servers configured)
  - ☐ Point-to-Point (no broadcast)
  - ☒ Mixed-mode (Broadcast then Point-to-Point)
  - ☐ Hybrid (Point-to-Point then Broadcast)
- Primary WINS IP Address :**
- Secondary WINS IP Address :**

Below the DHCP settings is a section titled 'ADD DHCP RESERVATION' with the following fields:

- Enable :** ☐
- Computer Name :** (text input field)
- IP Address :** (text input field)
- MAC Address :** (text input field)

Larger networks with more demanding DHCP requirements are likely to have a separate DHCP server running on another computer. In that case, you can defer to the existing server by disabling the DHCP server in the access point.

For more information on configuring a DHCP server, refer to Chapter 6.

## Connecting to a Wireless Network

Connecting to a wireless network on a Windows computer is straightforward. Windows automatically detects any wireless networks that are in range and displays them in a list when you tap the Wireless icon at the bottom of the screen, as shown in Figure 8-7.

To connect to a network, just tap it, and then enter the security key when prompted. If the key is correct, you'll be connected.

At the time you connect, you can choose to connect to the network automatically whenever it's in range. If you select this option, you won't have to select the network manually or enter the security key; you'll just be connected automatically.