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Appendix 4: IP Addresses

Determining Local Network Address (on a Microsoft®Windows®Machine)

To determine the local network address on a Microsoft®Windows®machine:

STEPS:

1. Go to **Start** and click on **Run**. Type ?**cmd**? and press **Enter**.
2. At the Command Prompt type ?**ipconfig /all**? and press **Enter**. Windows will display the current connection details **(Diagram 63).** These connection details contain important information used in the setup of the IPitomy IP PBX.
3. Write the following information in the IPitomy IP PBX Installation Checklist:
   - · **IP Address**
   - · **Subnet Mask**
   - · **Default Gateway**

Determining an Available IP Address

Adding the IPitomy IP PBX to an existing Local Area Network (LAN) requires knowing what IP address can be given to the system. Every new piece of equipment added to the network must have its own IP address. Pinging an IP address determines if an IP address is available to be used. A ping is a call to the IP address to see if it exists. If a ping gets a response then the IP address is in use.

To ping an IP address on a Windows?-based machine already configured on the local network:

STEPS:

1. Go to **Start** and click on **Run**. Type ?**cmd**? and press **Enter**.
2. At the **Command Prompt** type ?**ping *[192.168.1.249]**? and press **Enter**. This IP Address is the IPitomy IP PBX default static IP Address. The IP Addresses you ping on your local network will be defined by your router. For example, even though the default IP Address for the IPitomy IP PBX is 192.168.1.249, the IP

Addresses that you ping to determine if one is available may differ. This will be determined by your gateway (router) address.

3. If you receive a ?**Destination net unreachable**? message like in the number *[192.168.1.249] is an **IP Address not in use** and can be assigned to the IPitomy IP PBX.

> **NOTE:** Sample configurations are for a Windows XP[?] operating system and Linksys[?] router and are for demonstration purposes only. This IP Address is determined by the default gateway (router) you discovered in Determining the Local Network Address.

4. If you get a return or ?**Reply from *192.168.1.249**?, the **IP Address is in use**. Continue pinging IP addresses on ?*[192.168.1.XXX]? that are greater than ?*[192.168.1.249]? until you find a ?Destination net unreachable.? Make a record of this IP address in the IPitomy IP PBX Installation Checklist to use later in the installation.