# valet™
# valetplus™

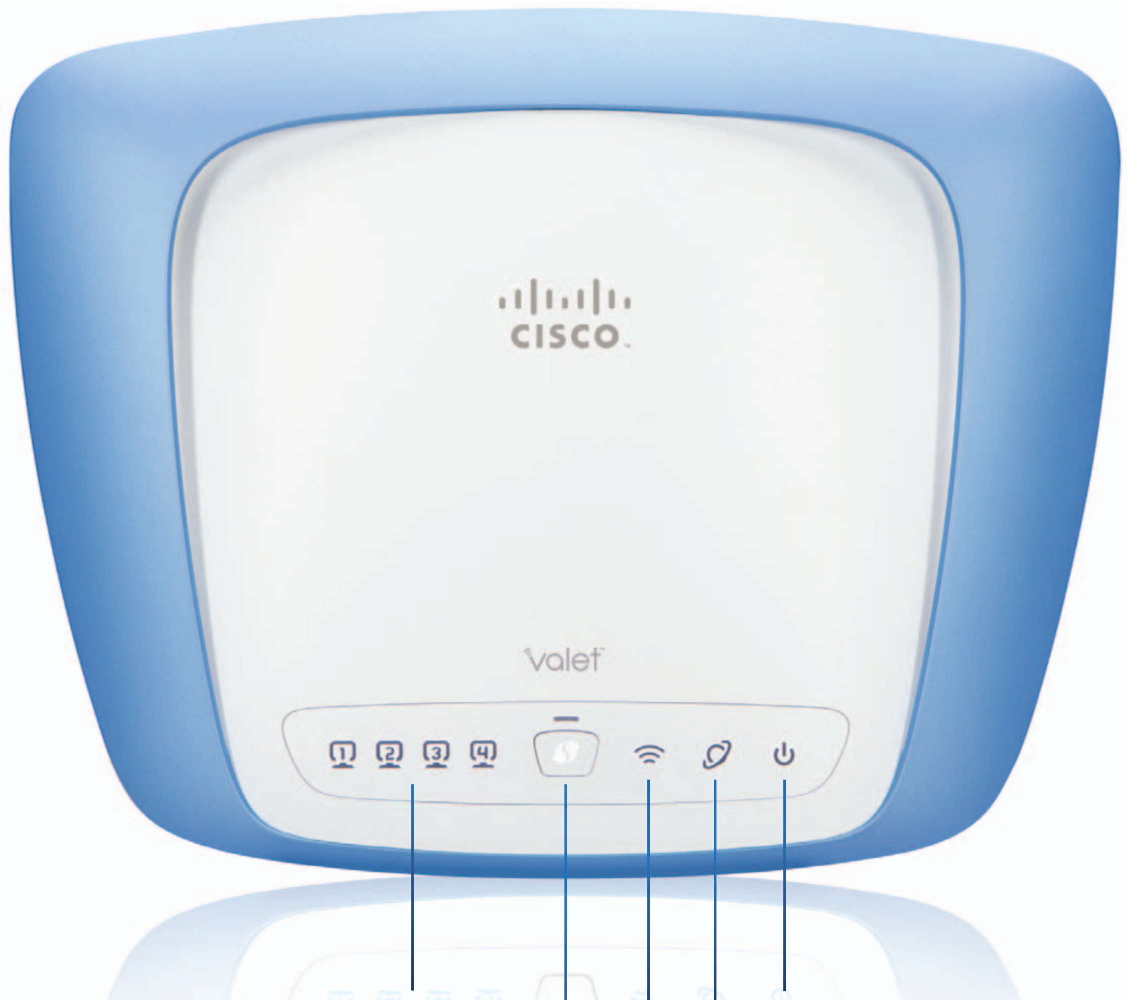
user guide

# Contents

# Chapter 1: Valet

Thank you for choosing a Cisco Valet wireless hotspot. This Quick Reference Guide covers both the Valet and Valet Plus models. Valet will be used as a general reference to both models and all details in this Quick Reference Guide apply to both models unless Valet Plus is noted.

## Top



**LEDs (1-4)** light up once the Valet is connected to a device using a network (Ethernet) cable. The LED flashes when there is activity over that port. **Valet Plus** lights up green when connected to a device at gigabit speed or blue when connected to a device at 10/100 speed.

The **Wi-Fi Protected Setup Button** doesn't need to be used if you use the Easy Setup Key to connect devices to your network.

If you have client devices, such as wireless adapters, that support Wi-Fi Protected Setup™, then you can use the Wi-Fi Protected Setup button to automatically configure wireless security for your wireless network(s).

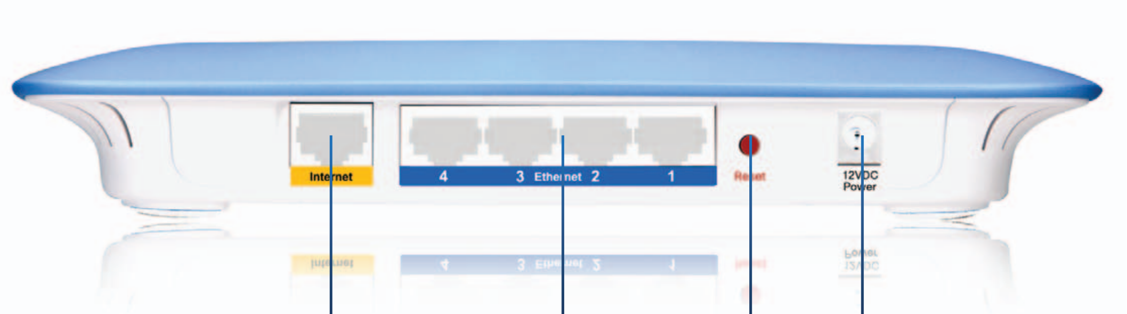
To use Wi-Fi Protected Setup, refer to "**Wi-Fi Protected Setup**" on page 21.

The **Power LED** lights up when the Valet is powered on. It is normal for this to flash during startup.

The **Internet LED** lights up when connected to the Internet and flashes to indicate activity. **Valet Plus** lights up green when connected to a device at gigabit speed or blue when connected to a device at 10/100 speed.

The **Wireless LED** lights up when wireless is on. It flashes when the Valet sends or receives data over the wireless network.

## Back



The **Internet Port** connects to the network (Ethernet) cable from your Internet connection. In most cases you will be connecting one end of the network cable to the Ethernet port on your cable or DSL modem and the other end to the Internet port on your Valet.

The **Power Port** connects the power adapter.

The **Reset Button** resets the Valet to its factory default settings when held for approximately ten seconds.

**Ethernet Ports** connect the Valet to computers or other devices that have Ethernet ports such as gaming consoles, HDTVs, Blu-ray disc players, or printers using network (Ethernet) cables.

## Easy Setup Key

The **Easy Setup Key** is used to install the Cisco Connect software on your computer(s). Be sure to store it in a safe place so that you can add additional computers in the future.

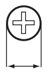
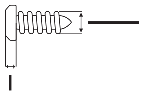
## Horizontal Placement

The Valet has four rubber feet on its bottom panel. Place the Valet on a level surface near an electrical outlet.

## Wall-Mounting Placement

The Valet has two wall-mount slots on its bottom panel. The distance between the slots is 152 mm.

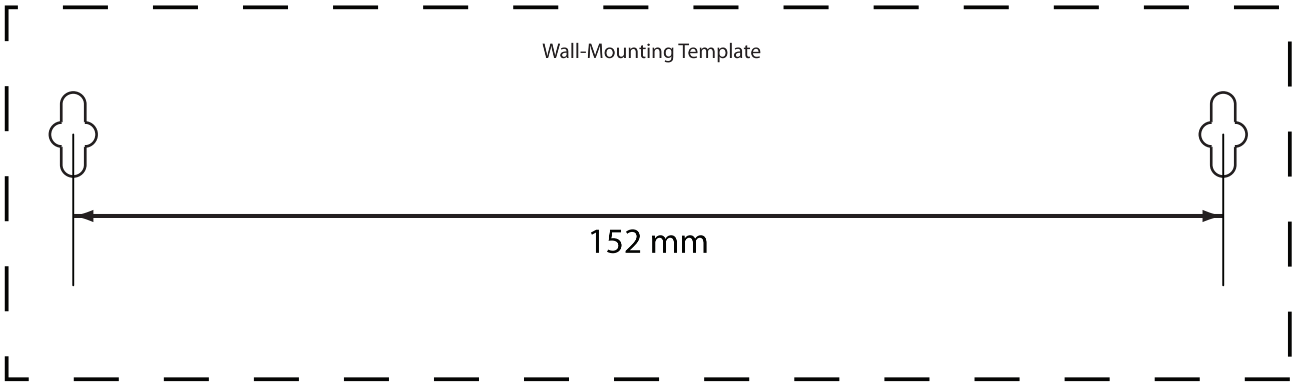
Two screws are needed to mount the Valet.

| Suggested Mounting Hardware | |
|---|---|
| <br>4-5 mm | <br>2.5-3.0 mm<br>1-1.5 mm |

**NOTE:** Cisco is not responsible for damages incurred by unsecured wall-mounting hardware.

Follow these instructions:

1. Determine where you want to mount the Valet. Make sure that the wall you use is smooth, flat, dry, and sturdy. Also make sure the location is within reach of an electrical outlet.
2. Drill two holes into the wall. Make sure the holes are 152 mm apart.
3. Insert a screw into each hole and leave 3 mm of its head exposed.
4. Position the Valet so the wall-mount slots line up with the two screws.
5. Place the wall-mount slots over the screws and slide the Valet down until the screws fit snugly into the wall-mount slots.



Print this page at 100% size.

Cut along the dotted line, and place on the wall to drill precise spacing.

# Chapter 2: Cisco Connect

During installation, the setup software installs the Cisco Connect software on your computer. Cisco Connect offers options to connect additional computers or devices to your Valet and allows you to modify the Valet's settings.

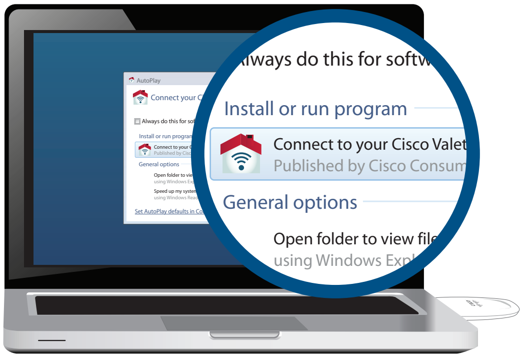
## Installation

To install the Valet:

1. Insert the Easy Setup Key into a USB port on your computer.

Insert Easy Setup Key

2. Click **Connect to your Cisco Valet**.



Connect to your Cisco Valet

If you do not see this, open the Easy Setup Key folder and double-click **Connect**. To do so, perform the following steps for your specific operating system:

**Windows 7**

a. Go to **Start** > **Computer**.

b. Double-click **Easy Setup Key** in the list of available drives.

c. Double-click **Connect.exe**.

**Windows Vista**

a. Go to **Start** > **Computer**.

b. Double-click **Easy Setup Key** in the list of available drives.

c. Double-click **Connect.exe**.

**Windows XP**

a. Go to **Start** > **My Computer** and select **Easy Setup Key**.

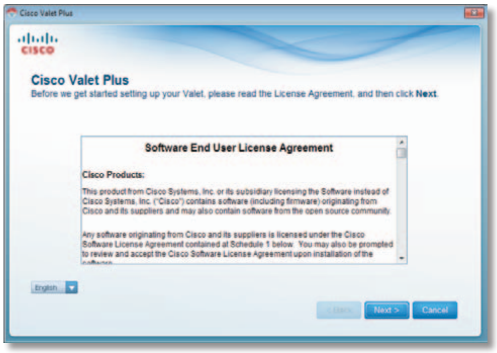
b. Double-click **Connect.exe**.

**Mac OS X**

a. Double-click the USB drive on your desktop.

b. Double-click **Connect**.

3. Read the Software End User License Agreement. To accept the agreement and continue with the installation, click **Next**.



Cisco Valet Plus

Before we get started setting up your Valet, please read the License Agreement, and then click **Next**.

**Software End User License Agreement**

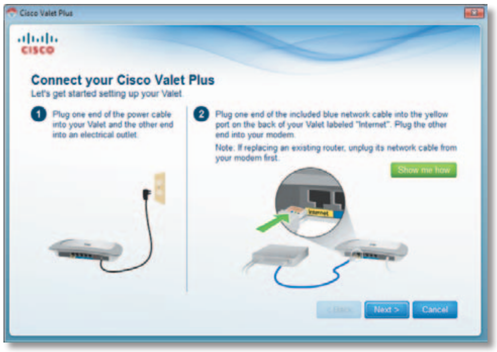
**Cisco Products:**

This product from Cisco Systems, Inc. or its subsidiary licensing the Software instead of Cisco Systems, Inc. ("Cisco") contains software (including firmware) originating from Cisco and its suppliers and may also contain software from the open source community.

Any software originating from Cisco and its suppliers is licensed under the Cisco Software License Agreement contained at Schedule 1 below. You may also be prompted to review and accept the Cisco Software License Agreement upon installation of the software.

License Agreement

4. The connection steps are displayed.



Connect your Cisco Valet Plus

Let's get started setting up your Valet.

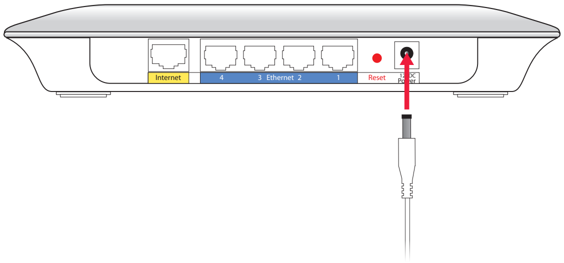
1 Plug one end of the power cable into your Valet and the other end into an electrical outlet.

2 Plug one end of the included blue network cable into the yellow port on the back of your Valet labeled "Internet". Plug the other end into your modem.

Note: If replacing an existing router, unplug its network cable from your modem first.

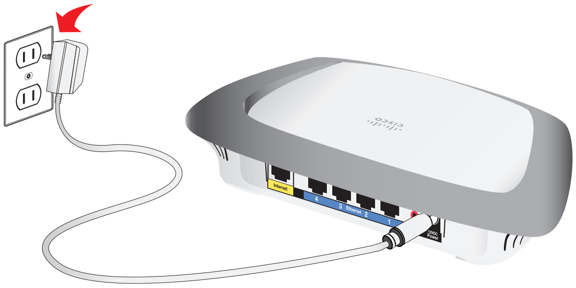
Connection Overview

a. Plug the power cord into the Power port on the back of the Valet.



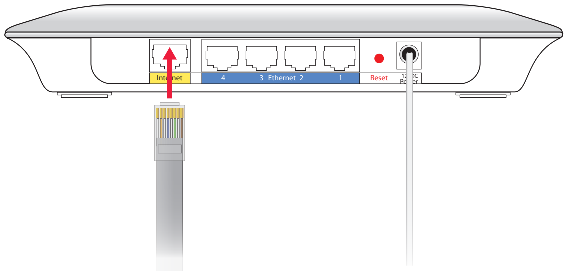
Connect to Power Port

b. Plug the power adapter into an electrical outlet.



Connect to Electrical Outlet

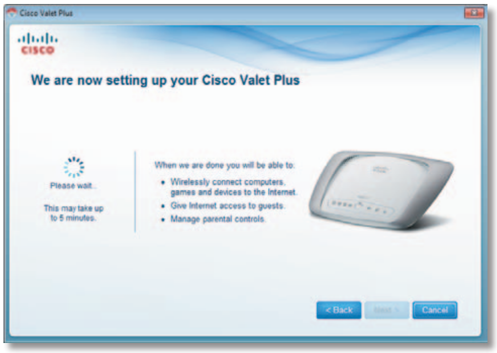
c. Plug one end of a network cable into the yellow port labeled **Internet** on the back of the Valet. The other end of the network cable should plug in to your broadband modem or existing gateway/router. Click **Next**.



Connect Network Cable

**NOTE:** You can view detailed connection steps by clicking Show me how in the setup software.

5. Please wait while your Valet is being set up.



We are now setting up your Cisco Valet Plus

Please wait...

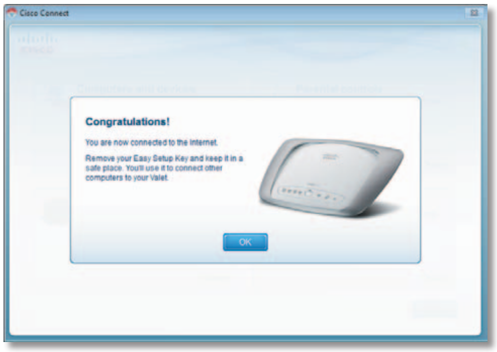
This may take up to 5 minutes.

When we are done you will be able to:

- Wirelessly connect computers, games and devices to the Internet.
- Give Internet access to guests.
- Manage parental controls.

Please Wait

6. When you see the *Congratulations* screen, your computer is connected to the Internet. Remove your Easy Setup Key and keep it in a safe place. You can use it to connect additional computers to your Valet's local network. Click **OK**.



Congratulations!

You are now connected to the Internet.

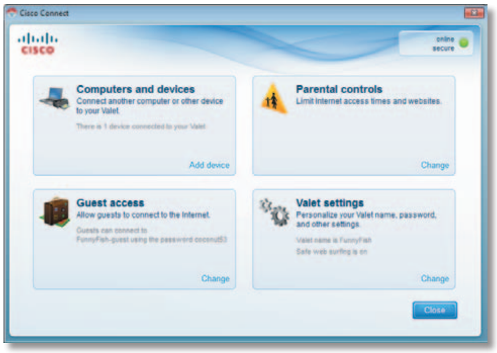
Remove your Easy Setup Key and keep it in a safe place. You'll use it to connect other computers to your Valet.

Installation is Complete

**NOTE:** If you have any trouble during the installation process, refer to the FAQs in the setup software or use a computer with an active Internet connection to visit **www.thevalet.com/support**.

## Main Menu

The main menu offers four options: Computers and Devices, Parental Controls, Guest Access, and Valet Settings. To select an option, click on it.



**Computers and devices**
Connect another computer or other device to your Valet
There is 1 device connected to your Valet

**Parental controls**
Limit Internet access times and websites.

**Guest access**
Allow guests to connect to the Internet.
Guests can connect to FunnyFish-guest using the password coconut53

**Valet settings**
Personalize your Valet name, password, and other settings.
Valet name is FunnyFish
Safe web surfing is on

Main Menu

## Local Access versus Guest Access

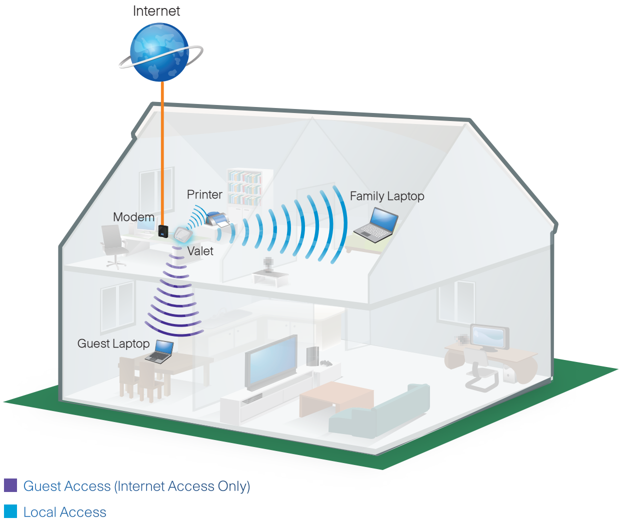
You can connect computers or devices to your Valet by giving them local access (*Computers and Devices* option) or Guest Access (*Guest Access* option).

Computers and devices with local access will have access to the Internet and to other devices on your local network, including shared computers and printers which are connected to the Valet. Local access can be given to a wired or wireless device. Refer to "**Computers and Other Devices**" on page 6 for more information.

Guest Access allows you to provide guests visiting your home with Internet access. Your guests will not have access to your other computers or personal data. Provide your guest with the Guest Network name and password. Guest computers must connect to your network using a wireless network connection. Refer to "**Main Menu – Guest Access**" on page 6 and "**Guest Access Settings**" on page 11 for more information.

The following diagram shows a typical example of how local access and guest access are used in the same home.

**Guest Access versus Local Access Diagram**



## Main Menu – Computers and Devices

Use this option to connect other computers or devices to your Valet's local network, one at a time.

**There is(are) x device(s) connected to your Valet** The number of devices connected to the Valet is displayed.

**Add device** To connect another computer or device to the Valet, click **Add device** and go to "**Computers and Other Devices**" on page 6.

## Main Menu – Parental Controls

Parental controls restrict Internet access for up to five computers. For the computers you select, you can block or limit Internet access to specific times. You can also block specific websites.

**Parental controls restrictions are being applied to x device(s)** The number of devices with parental controls restrictions is displayed.

**Change** To enable parental controls or change settings, click **Change** and go to "**Parental Controls**" on page 9.

## Main Menu – Guest Access

The guest network provides Internet access only. To grant Internet access to friends or family, provide the guest network name and password displayed on this screen.

> **NOTE:** Guest Access provides Internet access only; it does not provide access to your local network and its resources or your personal information. For example, the guest computer cannot print to a printer on the local network or access files on a computer on the local network. Guest access helps minimize exposure of your local network and your family's private information.

**Guests can connect to x-guest using the password xyz** When a guest wants Internet access in your home, have the guest do the following:

1. Connect to the wireless guest network, which is the name of your wireless network followed by **-guest**.
2. Open a web browser.
3. On the login screen, enter the guest access password and click **Login**.

**Change** To disable guest access or change settings, click **Change** and go to "**Guest Access Settings**" on page 11.

## Main Menu – Valet Settings

Use this option to personalize the Valet's settings.

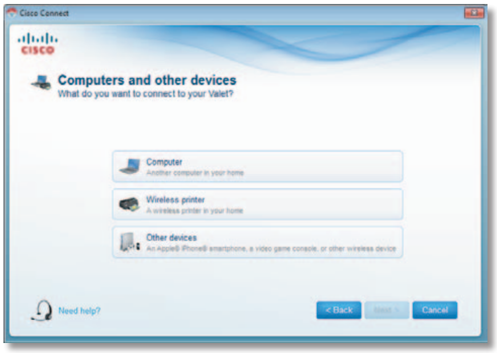
**Valet name is x** The name of the Valet is displayed.

**Safe Web Surfing** Displays the on/off status of the Safe Web Surfing option.

**Change** To change settings, click **Change** and go to "**Valet Settings**" on page 12.

## Computers and Other Devices

The computers or devices you connect will have access to the Internet and your local network, including computers or other devices, such as a printer, connected to the Valet. If you have a guest visiting your home, you can provide Internet access only (no access to your local network) through the guest access feature. Refer to "**Guest Access Settings**" on page 11 for more information.


Cisco Connect
cisco
Computers and other devices
What do you want to connect to your Valet?
Computer
Another computer in your home
Wireless printer
A wireless printer in your home
Other devices
An Apple® iPhone® smartphone, a video game console, or other wireless device
Need help?
< Back
Next >
Cancel

Computers and Other Devices

**Computer** Click this option to connect another computer in your home. Go to "**Computer**" on page 7.

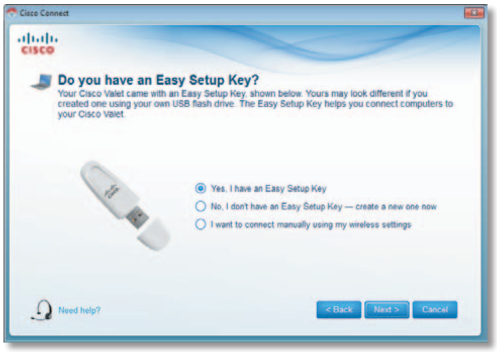
**Wireless printer** Click this option to connect a wireless printer. Go to "**Wireless printer**" on page 8.

**Other devices** Click this option to connect a device that is not a computer, such as a smartphone or game console. Go to "**Device**" on page 9.

## Computer

Your Cisco Valet came with an Easy Setup Key. The Easy Setup Key holds the settings for the Valet. There are three options available when you choose to add a computer.

- **Yes, I have an Easy Setup Key** If you already have an Easy Setup Key, select this option. Click **Next** and go to "**Connect with the Easy Setup Key**" on page 7.
- **No, I don't have an Easy Setup Key — create a new one now** If you want to create or update an Easy Setup Key, select this option. Click **Next** and go to "**Update or create an Easy Setup Key**" on page 7.
- **I want to connect manually using my wireless settings** If you want to connect manually (without an Easy Setup Key), select this option. Click **Next** and go to "**Connect without the Easy Setup Key**" on page 8.



**Do you have an Easy Setup Key?**

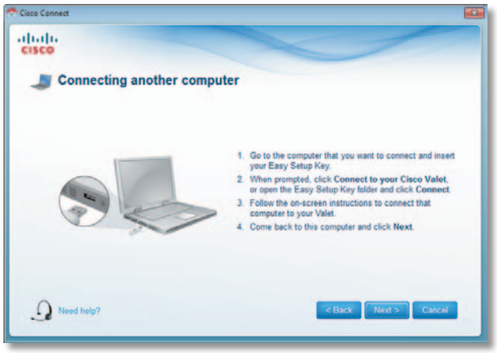
Your Cisco Valet came with an Easy Setup Key, shown below. Yours may look different if you created one using your own USB flash drive. The Easy Setup Key helps you connect computers to your Cisco Valet.

● Yes, I have an Easy Setup Key
○ No, I don't have an Easy Setup Key — create a new one now
○ I want to connect manually using my wireless settings

Do You Have an Easy Setup Key?

## Connect with the Easy Setup Key

1. Insert the Easy Setup Key into an available USB port on the computer that you want to connect to the Valet.

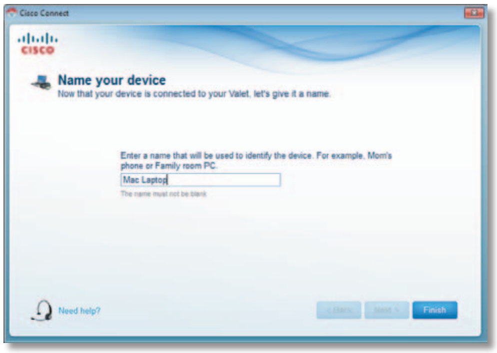


**Connecting another computer**

1. Go to the computer that you want to connect and insert your Easy Setup Key.
2. When prompted, click **Connect to your Cisco Valet**, or open the Easy Setup Key folder and click **Connect**.
3. Follow the on-screen instructions to connect that computer to your Valet.
4. Come back to this computer and click **Next**.

Connecting Another Computer

2. On that computer, click **Connect to your Cisco Valet**. If you do not see this, open the **Easy Setup Key** folder and double-click **Connect**.
3. Follow the on-screen instructions to connect that computer to your Valet.
4. Return to the original computer running the Cisco Connect software and enter a name that will be used to identify the device. Click **Finish**.



**Name your device**

Now that your device is connected to your Valet, let's give it a name.

Enter a name that will be used to identify the device. For example, Mom's phone or Family room PC.

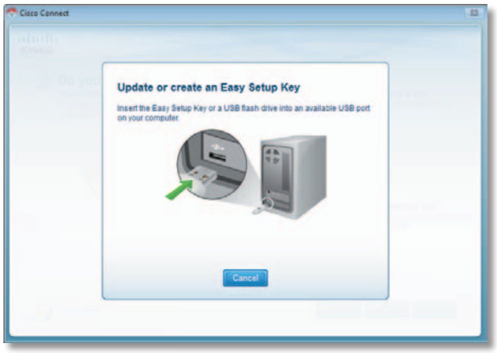
Mac Laptop

The name must not be blank

Name Your Device

## Update or create an Easy Setup Key

1. Insert the Easy Setup Key or your own USB flash drive into an available USB port on your computer.

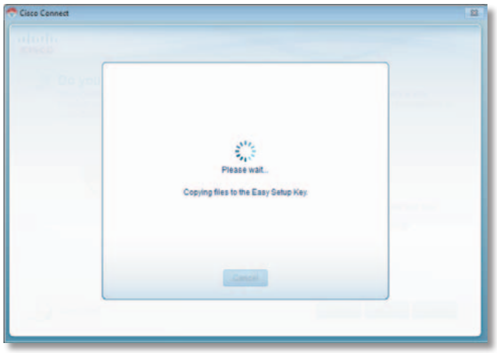


**Update or create an Easy Setup Key**

Insert the Easy Setup Key or a USB flash drive into an available USB port on your computer.

Update or Create an Easy Setup Key

2. Please wait while the settings are copied to the Easy Setup Key.

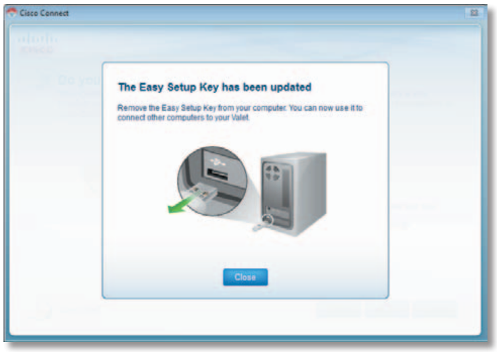


Please wait...

Copying files to the Easy Setup Key

Copying Files to the Easy Setup Key

3. Remove the Easy Setup Key and click **Close**. You can now use it to connect other computers to the Valet. Refer to "**Connect with the Easy Setup Key**" on page 7 to complete the process of adding another computer.



Cisco Connect

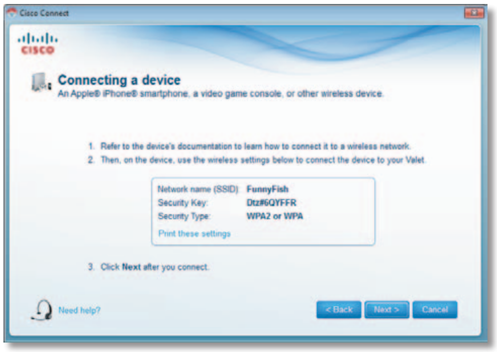
**The Easy Setup Key has been updated**

Remove the Easy Setup Key from your computer. You can now use it to connect other computers to your Valet.

Easy Setup Key Has Been Updated

## Connect without the Easy Setup Key

1. Enter the *Network name (SSID)*, *Security Key*, and *Security Type* settings on your wireless device. To print this information, click **Print these settings**.



Cisco Connect

**Connecting a device**

An Apple® iPhone® smartphone, a video game console, or other wireless device.

1. Refer to the device's documentation to learn how to connect it to a wireless network.
2. Then, on the device, use the wireless settings below to connect the device to your Valet.

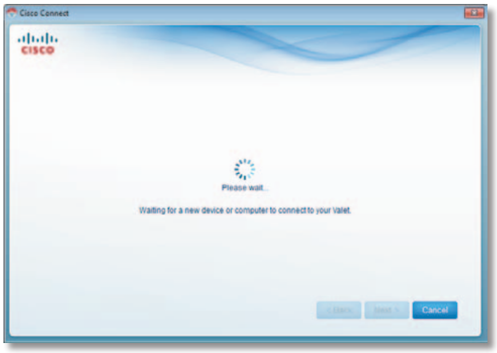
| | |
|---|---|
| Network name (SSID): | FunnyFish |
| Security Key: | Dtz#6QYFFR |
| Security Type: | WPA2 or WPA |

Print these settings

3. Click **Next** after you connect.

Connecting a Device – Wireless Network Settings

2. After connecting your device, click **Next**.



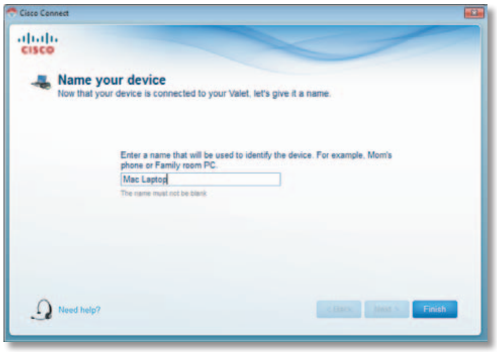
Cisco Connect

Please wait...

Waiting for a new device or computer to connect to your Valet.

Waiting for New Device or Computer to Connect to Your Valet

3. Enter a name that will be used to identify this device. Then click **Finish**.



Cisco Connect

**Name your device**

Now that your device is connected to your Valet, let's give it a name.

Enter a name that will be used to identify the device. For example, Mom's phone or Family room PC.

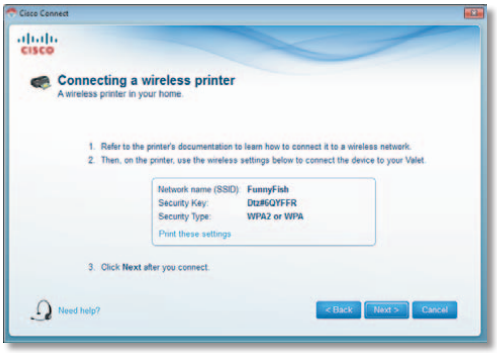
Mac Laptop

The name must not be blank

Name Your Device

## Wireless printer

1. Refer to your printer's documentation to learn how to connect it to a wireless network.
2. Enter the *Network name (SSID)*, *Security Key*, and *Security Type* settings on your wireless device. To print this information, click **Print these settings**.



Cisco Connect

**Connecting a wireless printer**

A wireless printer in your home.

1. Refer to the printer's documentation to learn how to connect it to a wireless network.
2. Then, on the printer, use the wireless settings below to connect the device to your Valet.

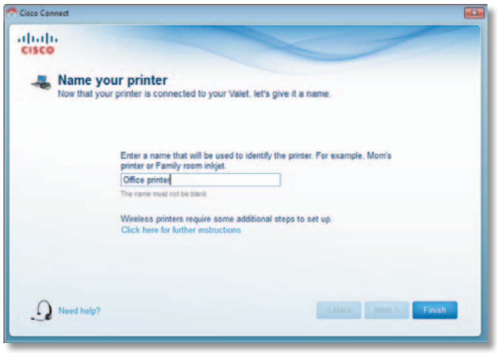
| | |
|---|---|
| Network name (SSID): | FunnyFish |
| Security Key: | Dtz#6QYFFR |
| Security Type: | WPA2 or WPA |

Print these settings

3. Click **Next** after you connect.

Connecting a Wireless Printer – Wireless Network Settings

3. Wait until your printer connects. On the *Connecting a wireless printer* screen, click **Next**.
4. Enter a name that will be used to easily identify your printer.



Cisco Connect

**Name your printer**

Now that your printer is connected to your Valet, let's give it a name.

Enter a name that will be used to identify the printer. For example, Mom's printer or Family room inkjet.

Office printer

The name must not be blank

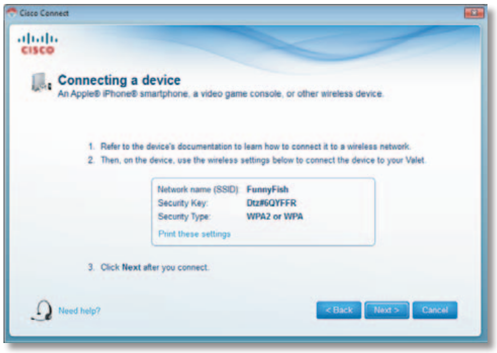
Wireless printers require some additional steps to set up.

Click here for further instructions

Name Your Printer

## Device

1. Enter the *Network name (SSID)*, *Security Key*, and *Security Type* settings on your wireless device. To print this information, click **Print these settings**.



**Connecting a device**

An Apple® iPhone® smartphone, a video game console, or other wireless device.

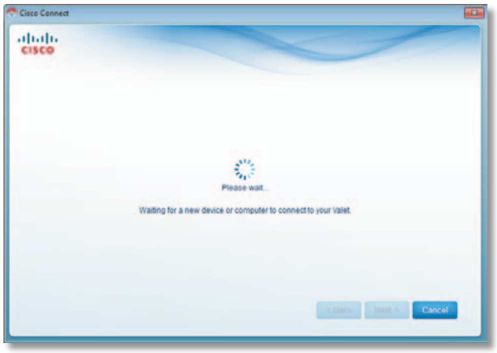
1. Refer to the device's documentation to learn how to connect it to a wireless network.
2. Then, on the device, use the wireless settings below to connect the device to your Valet.

Network name (SSID) FunnyFish
Security Key: Dtz#6QYFFR
Security Type: WPA2 or WPA
Print these settings

3. Click **Next** after you connect.

Connecting a Device – Wireless Network Settings

2. After connecting your device, click **Next**.

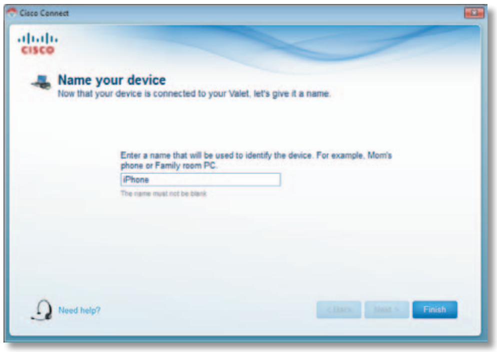


Please wait...

Waiting for a new device or computer to connect to your Valet.

Waiting for New Device or Computer to Connect to Your Valet

3. Enter a name that will be used to identify the device and click **Finish**.



**Name your device**

Now that your device is connected to your Valet, let's give it a name.

Enter a name that will be used to identify the device. For example, Mom's phone or Family room PC.

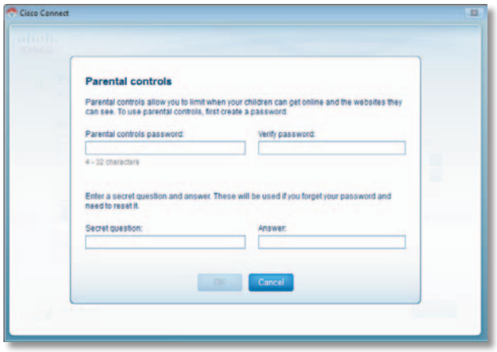
iPhone

The name must not be blank

Name Your Device

## Parental Controls

For the computers you select, you can block or limit Internet access to specific times. You can also block specific websites.



**Parental controls**

Parental controls allow you to limit when your children can get online and the websites they can see. To use parental controls, first create a password.

Parental controls password: Verify password:

4 - 32 characters

Enter a secret question and answer. These will be used if you forget your password and need to reset it.

Secret question: Answer:

Parental Controls Password

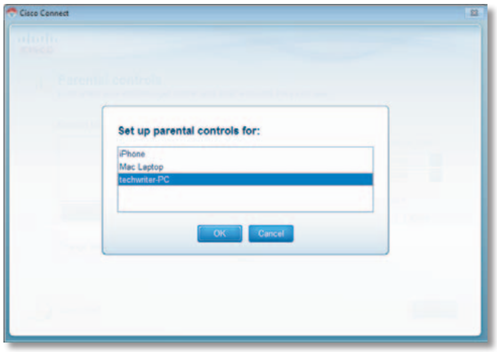
### First-Time Access of Parental Controls

1. The first time you access parental controls, you will be asked to create a parental controls password. Complete the following:

- **Parental controls password** Create a password that protects access to parental controls.
- **Verify password** Re-enter the password.
- **Secret question** Create a secret question and answer pair. If you forget the password, you can reset it by correctly answering the secret question. Enter your question.
- **Answer** Enter the answer to your secret question.

   Click **OK** to save your settings.

2. Select the computer that you want to set up parental controls for. Then click **OK**.

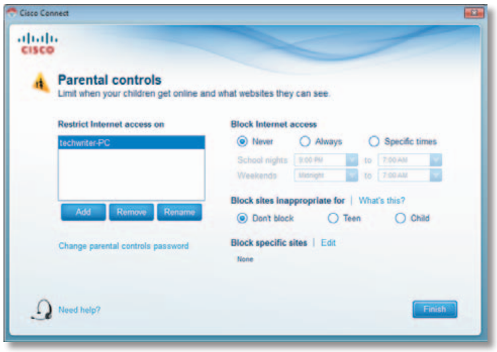


**Set up parental controls for:**

iPhone
Mac Laptop
techwriter-PC

Set Up Parental Controls For

3. The *Parental controls* main screen appears.



Parental controls
Limit when your children get online and what websites they can see.

Restrict Internet access on: techwriter-PC

Block Internet access: ● Never ○ Always ○ Specific times
School nights 9:00 PM to 7:00 AM
Weekends Midnight to 7:00 AM

Block sites inappropriate for: ● Don't block ○ Teen ○ Child

Block specific sites: None

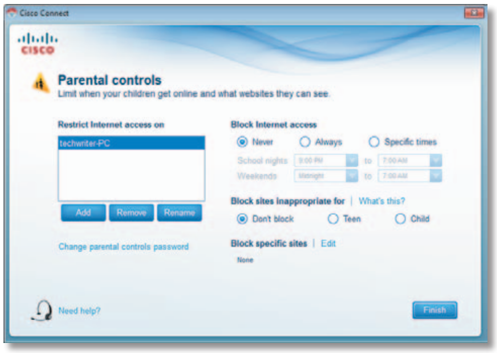
Manage Parental Controls

You have the following options:

**Restrict Internet access on** The list of computer(s) you have selected for parental controls is displayed. To add, remove, or rename computers on this list, refer to "**Restrict Internet Access List**" on page 10. To set up parental controls on a computer, refer to "**Set Up Parental Controls**" on page 10.

**Change parental controls password** Click this option to change the password that protects access to parental controls. Refer to "**Change Parental Controls Password**" on page 11.

## Restrict Internet Access List



Parental controls
Limit when your children get online and what websites they can see.

Restrict Internet access on: techwriter-PC

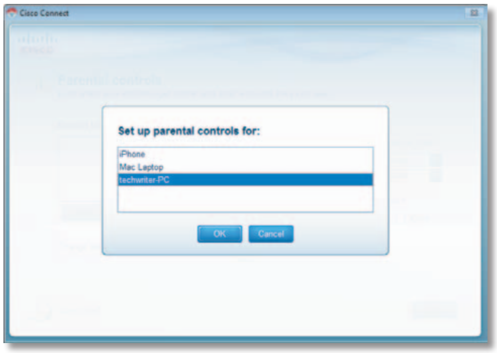
Block Internet access: ● Never ○ Always ○ Specific times
School nights 9:00 PM to 7:00 AM
Weekends Midnight to 7:00 AM

Block sites inappropriate for: ● Don't block ○ Teen ○ Child

Block specific sites: None

Parental Controls

**Add** If you want to apply parental controls to additional computers, click **Add**, and the *Set up parental controls for* screen appears.



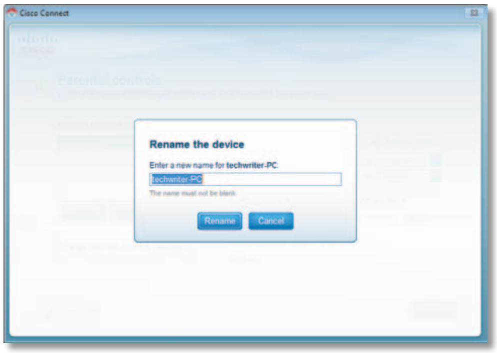
Set up parental controls for:
iPhone
Mac Laptop
techwriter-PC

Set Up Parental Controls For

Select the computer whose parental controls you want to set up. Then click **OK**.

**Remove** If there is a computer that should not have parental controls applied, select the computer and click **Remove**.

**Rename** To give a computer a new name, select the computer and click **Rename**, and the *Rename the device* screen appears.



Rename the device
Enter a new name for techwriter-PC:
techwriter-PC
The name must not be blank

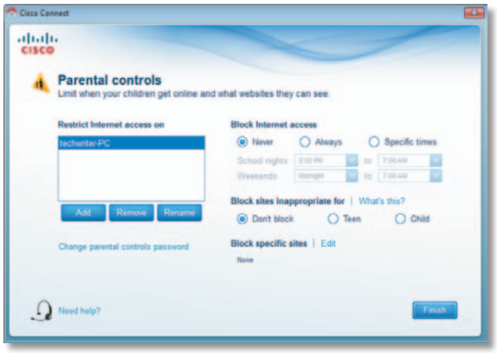
Rename the Device

Enter the new name. Then click **Rename**.

## Set Up Parental Controls

To set up parental controls for a computer, follow these instructions:

1. Select the computer from the *Restrict Internet access on* list. (If the computer is not listed, click **Add** to select the computer.)



Parental controls
Limit when your children get online and what websites they can see.

Restrict Internet access on: techwriter-PC

Block Internet access: ● Never ○ Always ○ Specific times
School nights 9:00 PM to 7:00 AM
Weekends Midnight to 7:00 AM

Block sites inappropriate for: ● Don't block ○ Teen ○ Child

Block specific sites: None

Parental Controls

2. The *Block Internet access* option offers the following:

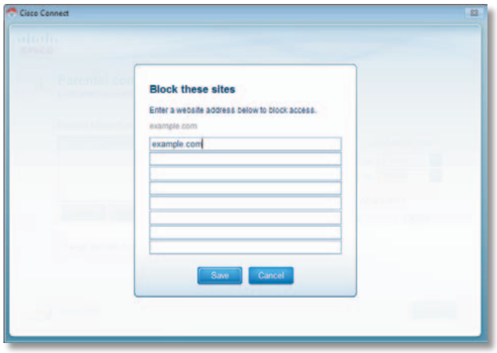
- **Always** To always block Internet access, select this option.
- **Specific times** To block Internet access during specific days and times, select this option and set the schedule:
  - **School nights** Select the appropriate start and end times.
  - **Weekends** Select the appropriate start and end times
- **Never** To never block (always allow) Internet access, keep the default, **Never**.

3. The *Block sites inappropriate for* option allows you to block websites based on content. The following options are available:

- **Don't Block** Does not block any websites.
- **Teen** Blocks websites that may be inappropriate for teenagers.
- **Child** Blocks websites that may be inappropriate for children.

4. For the *Block specific sites* option, click **Edit** to create a list of websites you want to block. The default is **None**.

   If you clicked **Edit**, the *Block these sites* screen appears.



Block these sites

Enter a website address below to block access.

example.com

example.com

Block These Sites

a. On each line, enter a website address that you want to block.

   For example, to block http://www.example.com, you would enter **example.com** on a line.

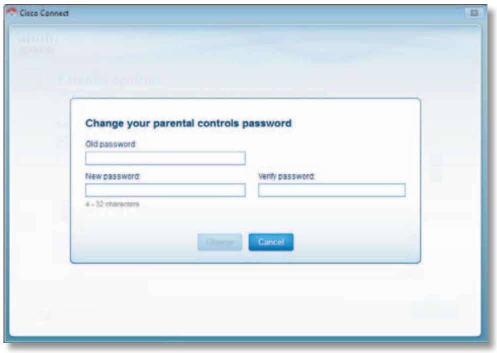
b. Click **Save** to save your settings.

5. On the *Parental controls* screen, click **Finish** to save your settings.

**NOTE:** Repeat steps 1-4 to set up parental controls for different computers.

## Change Parental Controls Password

If you clicked **Change parental controls password**, the *Change your parental controls password* screen appears.



Change your parental controls password

Old password:

New password:

4 - 32 characters

Verify password:

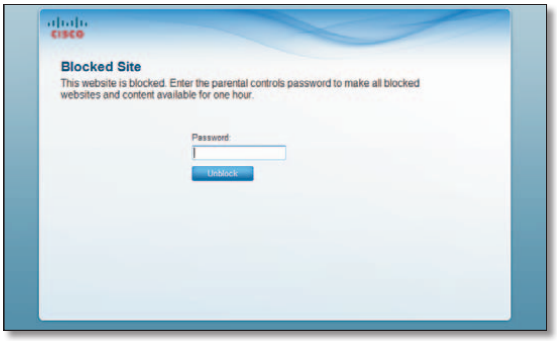
Change Your Parental Controls Password

- **Old password** Enter the old password.
- **New password** Enter a new password of 4-32 characters.
- **Verify password** Re-enter the new password.

Click **Change** to save your setting.

## Blocked Sites

When you attempt to access a website that has been blocked on your computer, you will see a screen telling you that the site has been blocked and the reason it was blocked. You can override the blocking for one hour by entering the parental controls password in the *Password* field and clicking **Unblock**.



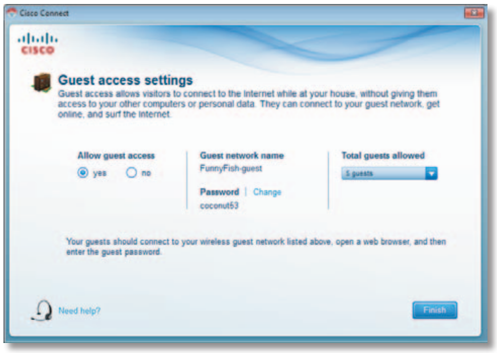
Blocked Site

This website is blocked. Enter the parental controls password to make all blocked websites and content available for one hour.

Password:

Blocked Site

## Guest Access Settings



Guest access settings

Guest access allows visitors to connect to the Internet while at your house, without giving them access to your other computers or personal data. They can connect to your guest network, get online, and surf the Internet.

Allow guest access ● yes ○ no

Guest network name FunnyFish-guest

Password | Change coconut53

Total guests allowed 5 guests

Your guests should connect to your wireless guest network listed above, open a web browser, and then enter the guest password.

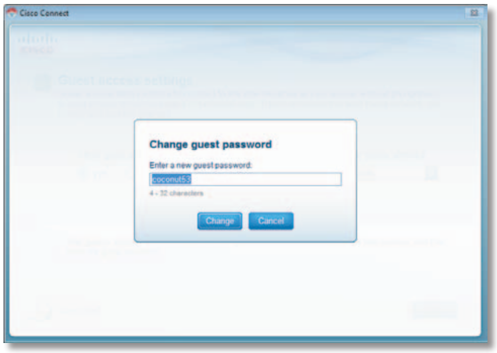
Guest Access Settings

**Allow guest access** By default, *Guest Access* is enabled. To disable *Guest Access*, select **no**.

**Guest network name** By default, the setup software sets up the name of the guest network.

**Password** By default, the setup software sets up the password for the guest network. To change the password, click **Change**.

If you clicked **Change**, the *Change guest password* screen appears.



Change guest password

Enter a new guest password: coconut53

4 - 32 characters

Change Guest Password

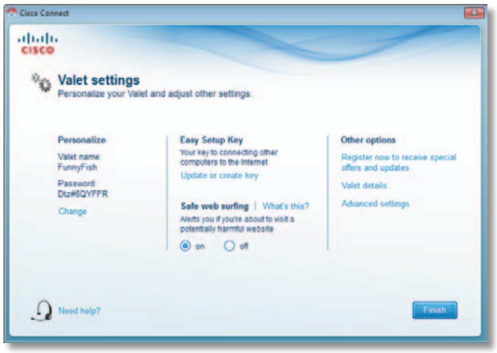
- **Enter a new guest password** Enter a password of 4-32 characters.
- Click **Change** to save your setting.

**Total guests allowed** By default, **5** guests are allowed Internet access through your guest network. If you want to allow more or less, select the desired number of guests from the drop-down menu ; you can select up to 10 guests.

**NOTE:** Computers that are connected to the local network do not count towards the number of guests allowed.

Click **Finish** to save your settings.

## Valet Settings



Valet settings

Personalize your Valet and adjust other settings.

Personalize

Valet name: FunnyFish

Password: Dtz#6QYFFR

Easy Setup Key

Your key to connecting other computers to the Internet

Safe web surfing

Alerts you if you're about to visit a potentially harmful website

● on ○ off

Other options

Valet Settings

### Personalize

**Valet name** The name of your Valet is displayed (this is also the name of your wireless network). To change the name, click **Change** and go to "**Change Valet Name or Password**" on page 12.

**Password** The password that protects access to the Valet's settings is displayed (this also protects wireless access to your local network). To change the password, click **Change** and go to "**Change Valet Name or Password**" on page 12.

### Easy Setup Key

**Update or create key** The Easy Setup Key is a USB flash drive that holds the settings for the Valet. To create or update the Easy Setup Key, click **Create or update key**. For more information, refer to "**Update or create an Easy Setup Key**" on page 7.

### Safe Web Surfing

**On/off** Safe web surfing alerts you when you are about to visit a potentially harmful website. You can choose whether to visit the site or not. Safe web surfing is enabled by default.

### Other Options

**Register now to receive special offers and updates** To sign up to receive special offers and updates, click this option.

**Valet details** To view more information about the Valet, click **Valet details** and go to "**Valet Details**" on page 13.

**Advanced settings** To access settings for advanced users, click **Advanced settings** and go to "**Advanced Settings**" on page 13.

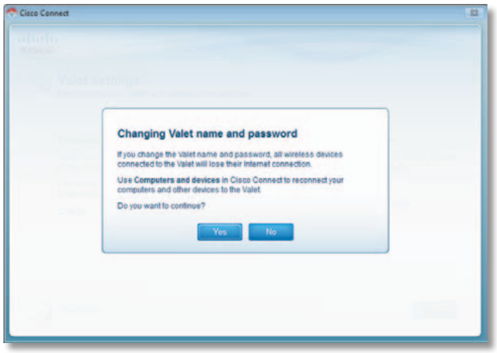
Click **Finish** to save your settings.

## Change Valet Name or Password

**NOTE:** When you change the Valet name or password, the name or password of your wireless network also changes, and the Valet is reset. ALL computers and devices connected to your Valet will momentarily lose their Internet connection. Wired computers and devices will reconnect automatically; however, you will need to reconnect all wireless computers and devices using the wireless network's new name or password (for more information, refer to "**Computers and Other Devices**" on page 6).

If you clicked **Change**, the *Changing Valet name or password* screen appears.

1. To change the Valet name or password, click **Yes**. Otherwise, click **No**.



Changing Valet name and password

If you change the Valet name and password, all wireless devices connected to the Valet will lose their Internet connection.

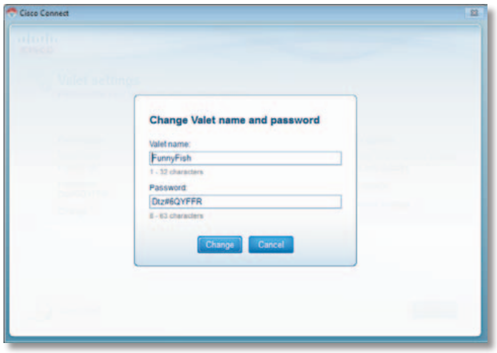
Use **Computers and devices** in Cisco Connect to reconnect your computers and other devices to the Valet.

Do you want to continue?

Changing Valet Name or Password

2. Complete the following:

- **Valet name** Enter a name of 1-32 characters.
- **Password** Enter a password of 8-63 characters.
- Click **Change** to save your settings.



Change Valet name and password

Valet name: FunnyFish

1 - 32 characters

Password: Dtz#6QYFFR

8 - 63 characters

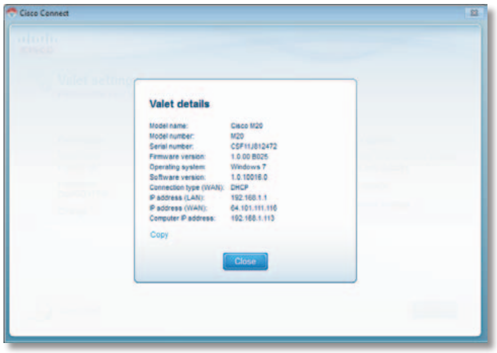
Changing Valet Name and Password

## Valet Details

The *Valet details* screen appears, displaying the Model name, Model number, Serial number, Firmware version, Operating system, Software version, Connection type (WAN), IP address (LAN), IP address (WAN), and Computer IP address. (WAN stands for Wide Area Network, such as the Internet. IP stands for Internet Protocol. LAN stands for Local Area Network.)

**Copy** To copy the details to a text file, click **Copy** and follow these instructions:

1. Open a text editor, such as Microsoft Word or Notepad.
2. Go to **Edit > Paste**.
3. Go to **File > Save**.



Valet details

| | |
|---|---|
| Model name: | Cisco M20 |
| Model number: | M20 |
| Serial number: | CSF11J812472 |
| Firmware version: | 1.0.00 B025 |
| Operating system: | Windows 7 |
| Software version: | 1.0.10016.0 |
| Connection type (WAN): | DHCP |
| IP address (LAN): | 192.168.1.1 |
| IP address (WAN): | 64.101.111.116 |
| Computer IP address: | 192.168.1.113 |

Valet Details

Click **Close** to return to the *Valet settings* screen.

## Advanced Settings

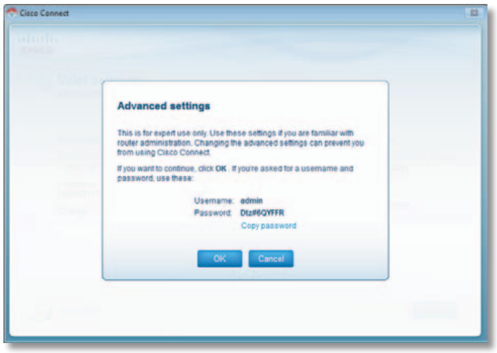
If you are an advanced user, you can access the browser-based utility to access the advanced configuration settings of the Valet.

**WARNING:** Modifying some settings in the browser-based utility may disable settings you've already applied using the Easy Setup Key.

**Username** Enter this username to access the browser-based utility.

**Password** Enter this password to access the browser-based utility.

**Copy password** To copy the password to the Clipboard, click this option.



Advanced settings

This is for expert use only. Use these settings if you are familiar with router administration. Changing the advanced settings can prevent you from using Cisco Connect.

If you want to continue, click **OK** . If you're asked for a username and password, use these:

Username: admin

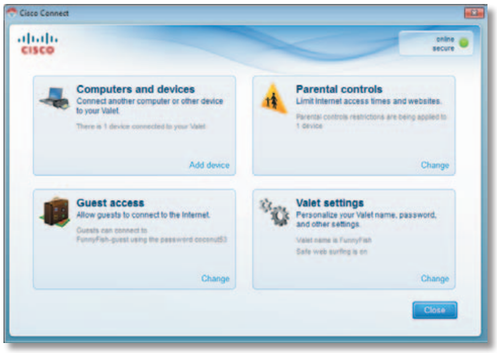
Password: Dtz#6QYFFR

Advanced Settings

Click **OK** to open the web browser and access the browser-based utility. For more information, refer to "**How to Access the Browser-Based Utility**" on page 14. Click **Cancel** to return to the *Valet settings* screen.

## How to Exit Cisco Connect

To exit Cisco Connect, click **Close** on the main menu.



Computers and devices
Connect another computer or other device to your Valet.
There is 1 device connected to your Valet

Parental controls
Limit Internet access times and websites.
Parental controls restrictions are being applied to 1 device

Guest access
Allow guests to connect to the Internet.
Guests can connect to FunnyFish-guest using the password coconut53

Valet settings
Personalize your Valet name, password, and other settings.
Valet name is FunnyFish
Safe web surfing is on

Main Menu

## How to Access Cisco Connect

### Windows

To access Cisco Connect, go to **Start > All Programs > Cisco Connect**.

### Mac

To access Cisco Connect, go to **Go > Applications > Cisco Connect**.

# Chapter 3: Advanced Configuration

After setting up the Valet with the Setup Wizard (located on the Setup Key), the Valet is ready for use. For more technically knowledgeable users, the Valet does include Advanced Configuration settings. If you'd like to change some of the Valet's advanced settings, you can modify settings using the  browser-based utility.

**WARNING:** Modifying some settings in the browser-based utility may disable settings you've already applied using the Easy Setup Key.

This chapter describes each web page of the utility and the key functions on each page. You can access the utility via a web browser on a computer connected to the Valet.

The browser-based utility has the following main tabs:

- Setup
- Wireless
- Security
- Access Restrictions
- Applications & Gaming
- Administration
- Status

Additional tabs become available after you click one of the main tabs.

## How to Access the Browser-Based Utility

To access the browser-based utility, launch the web browser on your computer, and enter the IP address of the Valet in the *Address* field. The default IP address of the Valet is:

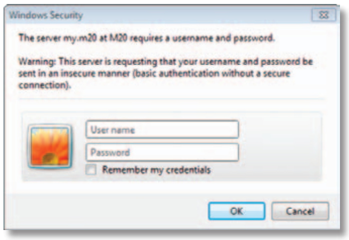
**192.168.1.1**

Then, press **Enter**.

**NOTE:** You can also access the browser-based utility on Windows computers by entering the device name in the *Address* field. Refer to *Device name* under "**Router IP**" on page 16.

A login screen will appear. (Non-Windows 7 users will see a similar screen.)

1. In the *User name* field, enter **admin**.
2. In the *Password* field, enter the password created by the setup software. (If you did not run the setup software, then use the default password, **admin**. (You can set a new password on the *Administration > Management* screen; refer to "**Administration > Management**" on page 31.)
3. Click **OK** to continue.



The server my.m20 at M20 requires a username and password.

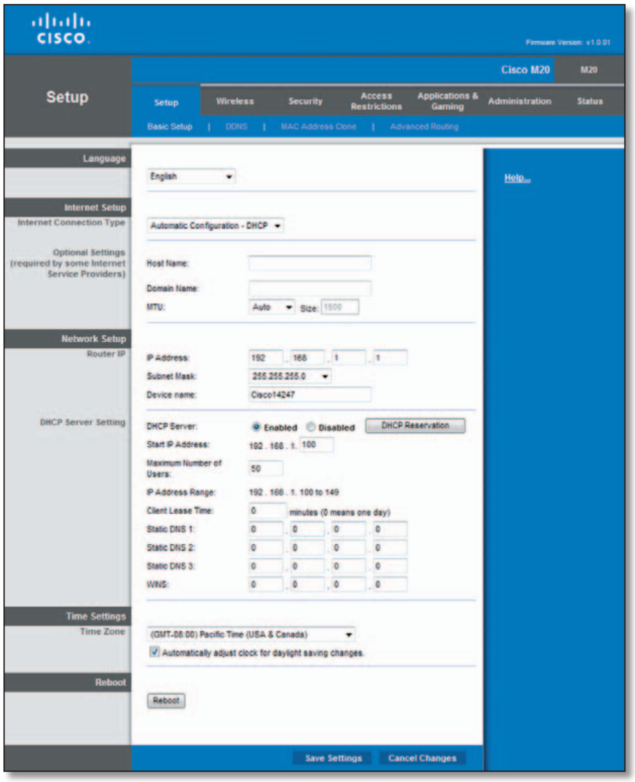
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).

Windows 7 Login Screen

**NOTE:** You can also access the browser-based utility through the Cisco Connect software. For more information, refer to "**Advanced Settings**" on page 13.

## Setup > Basic Setup

The first screen that appears is the *Basic Setup* screen. This screen allows you to change the language of the text displayed in the browser-based utility, configure the Internet connection settings, configure the network settings, and select time zone settings.



Language: English

Internet Setup
Internet Connection Type: Automatic Configuration - DHCP

Optional Settings (required by some Internet Service Providers)
Host Name:
Domain Name:
MTU: Auto Size: 1500

Network Setup
Router IP
IP Address: 192 . 168 . 1 . 1
Subnet Mask: 255.255.255.0
Device name: Cisco14247

DHCP Server Setting
DHCP Server: ● Enabled ○ Disabled
Start IP Address: 192 . 168 . 1. 100
Maximum Number of Users: 50
IP Address Range: 192 . 168 . 1. 100 to 149
Client Lease Time: 0 minutes (0 means one day)
Static DNS 1: 0 . 0 . 0 . 0
Static DNS 2: 0 . 0 . 0 . 0
Static DNS 3: 0 . 0 . 0 . 0
WINS: 0 . 0 . 0 . 0

Time Settings
Time Zone: (GMT-08:00) Pacific Time (USA & Canada)
☑ Automatically adjust clock for daylight saving changes.

Reboot

Setup > Basic Setup

### Language

The Language section allows you to change the language of the text displayed in the browser-based utility.

### Internet Setup

The *Internet Setup* section configures the Valet to your Internet connection. Most of this information can be obtained through your Internet Sevice Provider (ISP).

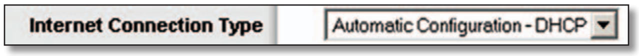
## Internet Connection Type

Select the type of Internet connection your ISP provides from the drop-down menu. These are the available types:

- Automatic Configuration - DHCP
- Static IP
- PPPoE
- PPTP
- L2TP
- Telstra Cable

### Automatic Configuration - DHCP

The default Internet Connection Type is **Automatic Configuration - DHCP**. Keep the default only if your ISP supports DHCP (Dynamic Host Configuration Protocol) or if you connect using a dynamic IP address. (This option usually applies to cable connections.)

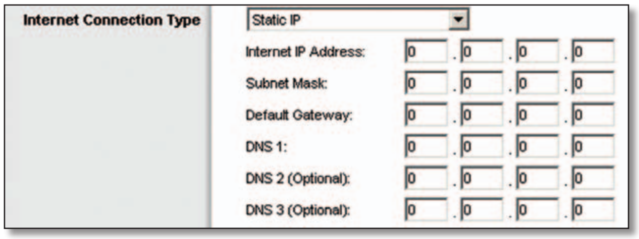


Internet Connection Type: Automatic Configuration - DHCP

Internet Connection Type > Automatic Configuration - DHCP

### Static IP

If you are required to use a permanent IP address to connect to the Internet, select **Static IP**.



Internet Connection Type: Static IP

Internet IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Default Gateway: 0 . 0 . 0 . 0

DNS 1: 0 . 0 . 0 . 0

DNS 2 (Optional): 0 . 0 . 0 . 0

DNS 3 (Optional): 0 . 0 . 0 . 0

Internet Connection Type > Static IP

**Internet IP Address** This is the Valet's IP address, when seen from the Internet. Enter the IP address provided by your ISP.

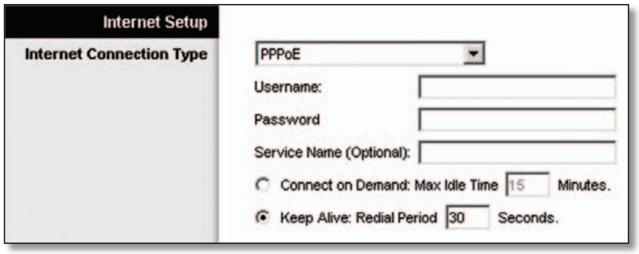
**Subnet Mask** This is the Valet's Subnet Mask, as seen by users on the Internet (including your ISP). Enter the subnet mask provided by your ISP.

**Default Gateway** This is the IP address of your ISP's gateway server. Enter the gateway IP address provided by your ISP.

**DNS 1-3** This is the IP address of your ISP's Domain Name System (DNS) server. Enter the DNS server IP address(es) provided by your ISP.

### PPPoE

Some DSL-based ISPs use PPPoE (Point-to-Point Protocol over Ethernet) to establish Internet connections. If you are connected to the Internet through a DSL line, check with your ISP to see if they use PPPoE. If they do, you will have to enable **PPPoE**.



Internet Setup

Internet Connection Type: PPPoE

Username:

Password

Service Name (Optional):

○ Connect on Demand: Max Idle Time 15 Minutes.

● Keep Alive: Redial Period 30 Seconds.

Internet Connection Type > PPPoE

**Username and Password** Enter the Username and Password provided by your ISP.

**Service Name** If provided by your ISP, enter the Service Name.

#### Connect on Demand or Keep Alive

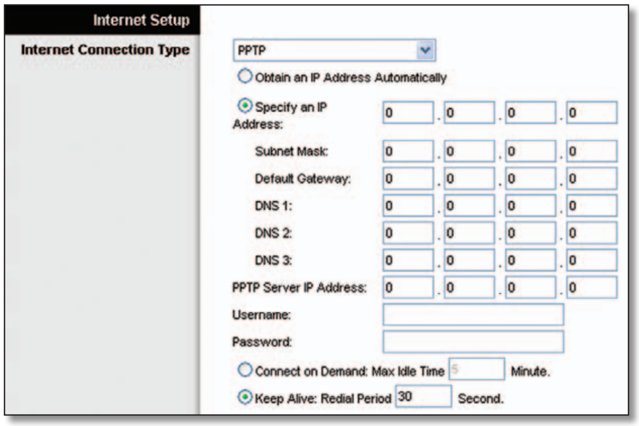
Choose one of these options: Connect on Demand or Keep Alive. The default is **Keep Alive**.

**Connect on Demand: Max Idle Time** If your Internet connection has been terminated due to inactivity, the Connect on Demand option enables the Valet to automatically reconnect when you attempt to access the Internet again. To use this option, select **Connect on Demand**. In the *Max Idle Time* field, enter the duration of inactivity allowed before your Internet connection terminates. The default is **5** minutes.

**Keep Alive: Redial Period** The Keep Alive option causes the Valet to periodically check your Internet connection and automatically reconnect if the connection is down. To use this option, keep the default, **Keep Alive**. In the *Redial Period* field, specify how often the Router should check the Internet connection. The default is **30** seconds.

### PPTP

Point-to-Point Tunneling Protocol (PPTP) is a service that applies to connections in Europe only.



Internet Setup

Internet Connection Type: PPTP

○ Obtain an IP Address Automatically

● Specify an IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Default Gateway: 0 . 0 . 0 . 0

DNS 1: 0 . 0 . 0 . 0

DNS 2: 0 . 0 . 0 . 0

DNS 3: 0 . 0 . 0 . 0

PPTP Server IP Address: 0 . 0 . 0 . 0

Username:

Password:

○ Connect on Demand: Max Idle Time 5 Minute.

● Keep Alive: Redial Period 30 Second.

Internet Connection Type > PPTP

If your ISP supports DHCP or you are connecting through a dynamic IP address, then select **Obtain an IP Address Automatically**. If you are required to use a permanent IP address to connect to the Internet, then select **Specify an IP Address**. Then configure the following:

- **Specify an IP Address** This is the Valet's IP address as seen from the Internet. Enter the IP address provided by your ISP.
- **Subnet Mask** This is the Valet's Subnet Mask, as seen by users on the Internet (including your ISP). Enter the subnet mask provided by your ISP.
- **Default Gateway** This is the IP address of your ISP's gateway server. Enter the gateway IP address provided by your ISP.
- **DNS 1-3** This is the IP address of your ISP's Domain Name System (DNS) server. Enter the DNS server IP address(es) provided by your ISP.

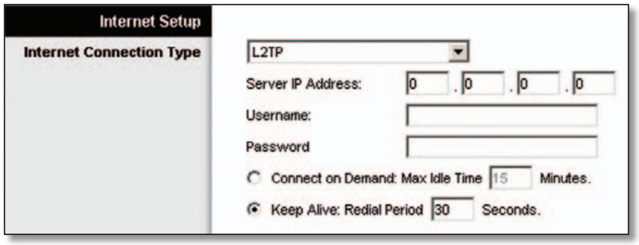
**PPTP Server IP Address** This is the IP address of the PPTP server. Enter the IP address provided by your ISP.

**Username and Password** Enter the username and password provided by your ISP.

**Connect on Demand or Keep Alive** Refer to "**Connect on Demand or Keep Alive**" on page 15 for details.

### L2TP

Layer 2 Tunneling Protocol (L2TP) is a service that applies to connections in Israel only.



Internet Setup

Internet Connection Type: L2TP

Server IP Address: 0 . 0 . 0 . 0

Username:

Password:

○ Connect on Demand: Max Idle Time 15 Minutes.

● Keep Alive: Redial Period 30 Seconds.

Internet Connection Type > L2TP

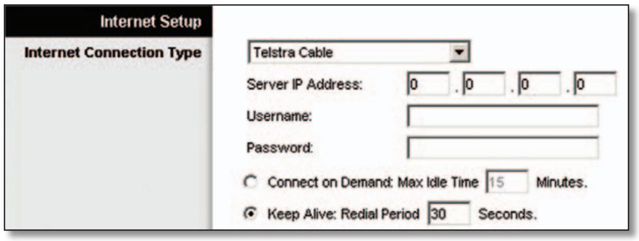
**Server IP Address** This is the IP address of the L2TP Server. Enter the IP address provided by your ISP.

**Username and Password** Enter the username and password provided by your ISP.

**Connect on Demand or Keep Alive** Refer to "**Connect on Demand or Keep Alive**" on page 15 for details.

### Telstra Cable

Telstra Cable is a service that applies to connections in Australia only.



Internet Setup

Internet Connection Type: Telstra Cable

Server IP Address: 0 . 0 . 0 . 0

Username:

Password:

○ Connect on Demand: Max Idle Time 15 Minutes.

● Keep Alive: Redial Period 30 Seconds.

Internet Connection Type > Telstra Cable

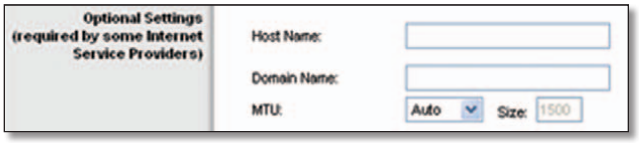
**Server IP Address** This is the IP address of the Telstra Cable server. Enter the IP address provided by your ISP.

**Username and Password** Enter the username and password provided by your ISP.

**Connect on Demand or Keep Alive** Refer to "**Connect on Demand or Keep Alive**" on page 15 for details.

### Optional Settings

Some of these settings may be required by your ISP. Verify these settings with your ISP before making any changes.



Optional Settings (required by some Internet Service Providers)

Host Name:

Domain Name:

MTU: Auto Size: 1500

Optional Settings

**Host Name and Domain Name** These fields allow you to supply a host and domain name. Some ISPs, usually cable ISPs, require these names as identification. You may have to check with your ISP to see if your broadband Internet service has been configured with a host and domain name. In most cases, leaving these fields blank will work.

**MTU** MTU is the Maximum Transmission Unit. It specifies the largest packet size permitted for Internet transmission. Select **Manual** if you want to manually enter the largest packet size that is transmitted. To allow the Valet to select the best MTU for your Internet connection, keep the default setting, **Auto**.

**Size** When Manual is selected in the *MTU* field, this option is enabled. Leave this value in the 1200 to 1500 range. The default size depends on the Internet Connection Type:

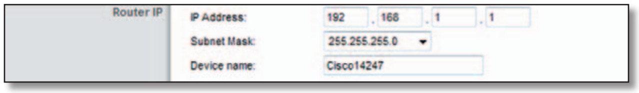
- DHCP, Static IP, or Telstra: **1500**
- PPPoE: **1492**
- PPTP or L2TP: **1460**

## Network Setup

The *Network Setup* section configures the IP settings for your local network.

### Router IP

This presents the IP Address of the Valet, Subnet Mask, and URL as seen by your network.



Router IP

IP Address: 192 . 168 . 1 . 1

Subnet Mask: 255.255.255.0

Device name: Cisco14247

Router IP

**IP Address** This is the IP address of the Valet and is used as the base for all of your local network settings.

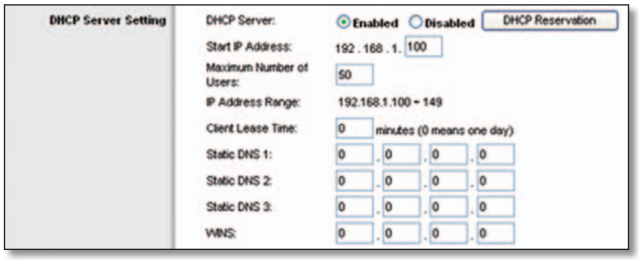
**Subnet Mask** This is the subnet mask for your Valet. It offers a selection of subnet masks from a drop-down menu. Most users will not need to change this setting.

**Device Name** The default is **Cisco** followed by the last 5 digits of the Router's serial number, which is found on the bottom of the Valet. If you used the setup software for installation, then the Device Name is the name of your wireless network (up to 15 characters). (The Device name is also the Valet's NetBIOS name.)

## DHCP Server Setting

The Valet includes a DHCP server that automatically assigns IP addresses to computers, cell phones, gaming systems, and other DHCP enabled devices on your home network.

**NOTE:** If you choose to enable the DHCP server option, make sure there is no other DHCP server on your network.



DHCP Server Setting

DHCP Server: ● Enabled ○ Disabled [DHCP Reservation]
Start IP Address: 192 . 168 . 1. 100
Maximum Number of Users: 50
IP Address Range: 192.168.1.100 ~ 149
Client Lease Time: 0 minutes (0 means one day)
Static DNS 1: 0 . 0 . 0 . 0
Static DNS 2: 0 . 0 . 0 . 0
Static DNS 3: 0 . 0 . 0 . 0
WINS: 0 . 0 . 0 . 0

DHCP Server Setting

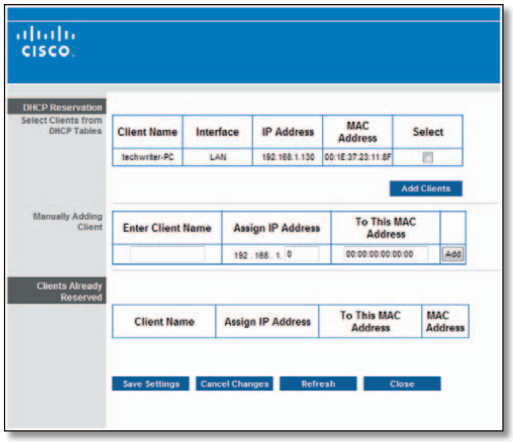
**DHCP Server** DHCP is enabled by factory default. If you already have a DHCP server on your network, or you do not want a DHCP server, then select **Disabled** (no other DHCP features will be available).

**NOTE:** If you disconnect a computer or device from your network and reconnect it to the network at a later time, it may be assigned a new IP address. If you want to ensure that the computer or device uses the same IP address all the time, you can use the DHCP Reservation option.

**DHCP Reservation** Click **DHCP Reservation** if you want to assign a fixed local IP address to a specific device on your network. This is helpful if you have a device whose IP address must always remain the same, such as a media server or print server. To reserve an IP address for a specific device, select it from the list of devices or manually enter the Media Access Control (MAC) address of the device.

### DHCP Reservation

You will see a list of DHCP clients with the following information: Client Name, Interface, IP Address, and MAC Address.



DHCP Reservation

Select Clients from DHCP Tables

| Client Name | Interface | IP Address | MAC Address | Select |
|---|---|---|---|---|
| techwriter-PC | LAN | 192.168.1.130 | 00:1E:37:23:11:8F | □ |

[Add Clients]

Manually Adding Client

| Enter Client Name | Assign IP Address | To This MAC Address | |
|---|---|---|---|
| | 192 . 168 . 1. 0 | 00:00:00:00:00:00 | [Add] |

Clients Already Reserved

| Client Name | Assign IP Address | To This MAC Address | MAC Address |
|---|---|---|---|

[Save Settings] [Cancel Changes] [Refresh] [Close]

DHCP Reservation

- **Select Clients from DHCP Table** Click the **Select** check box to reserve a client's IP address. Then click **Add Clients**.
- **Manually Adding Client** To manually assign an IP address, enter the client's name in the *Enter Client Name* field. Enter the IP address you want it to have in the *Assign IP Address* field. Enter its MAC address in the *To This MAC Address* field. Then click **Add**.

### Clients Already Reserved

A list of DHCP clients and their fixed, local IP addresses is displayed at the bottom of the screen. If you want to remove a client from this list, click **Remove**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes. To update the on-screen information, click **Refresh**. To exit this screen and return to the *Basic Setup* screen, click **Close**.

**Start IP Address** Enter a value for the DHCP server to start with when issuing IP addresses. Because the Valet's default IP address is 192.168.1.1, the Start IP Address must be 192.168.1.2 or greater, but smaller than 192.168.1.254. The default Start IP Address is **192.168.1.100**.

**Maximum Number of Users** Enter the maximum number of PCs that you want the DHCP server to assign IP addresses to. This number cannot be greater than 253. The default is **50**.

**IP Address Range** Displayed here is the range of available IP addresses.

**Client Lease Time** Client Lease Time is the length of time that a device will be "leased" a dynamic IP address. After the time is up, the device will be automatically assigned a new dynamic IP address, or the lease will be renewed with the same IP address. Enter the length of time, in minutes, that a device will be "leased" a dynamic IP address. The default is **0** minutes, which means one day.

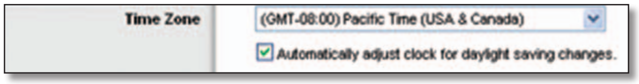
**Static DNS 1-3** The Domain Name System (DNS) is how the Internet translates domain or website names into Internet addresses or URLs. Your ISP will provide you with at least one DNS server IP address. If, however, you wish to use a different DNS server, enter its IP address (you can enter up to three DNS server IP addresses). The static DNS server(s) will have higher priority than the ISP's DNS servers. The Valet will assign the static DNS server(s) to the computers and other devices in your local network.

**WINS** The Windows Internet Naming Service (WINS) manages each computer's interaction with the Internet. If you use a WINS server, enter its IP Address. Otherwise, leave this field blank.

## Time Settings

**Time Zone** Select your network's time zone from this drop-down menu.

**Automatically adjust clock for daylight saving changes** Select this option to have the Router automatically adjust for daylight saving time.



Time Zone: (GMT-08:00) Pacific Time (USA & Canada)

☑ Automatically adjust clock for daylight saving changes.

Time Setting

## Reboot

Reboot

**Reboot** Click this option to restart your Valet.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

# Setup > DDNS

The Valet offers a Dynamic Domain Name System (DDNS) feature. DDNS lets you assign a fixed host and domain name to a dynamic Internet IP address. It is useful when you are hosting your own website, File Transfer Protocol (FTP) server, or other server behind the Valet.

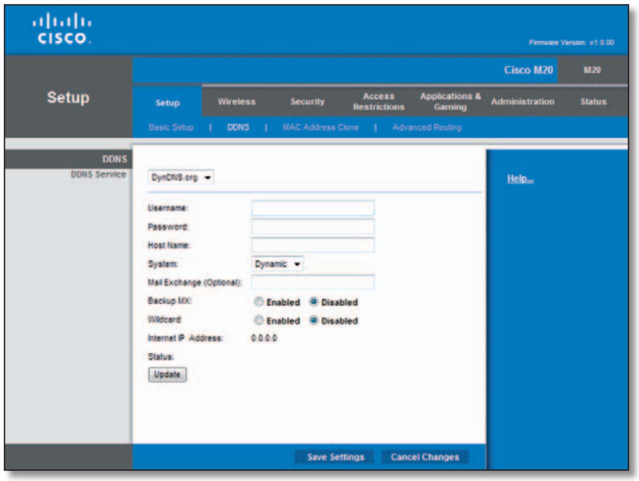
Before you can use this feature, you need to sign up for DDNS service with a DDNS service provider, **www.dyndns.org** or **www.TZO.com**. If you do not want to use this feature, keep the default setting, **Disabled**.

## DDNS

### DDNS Service

If your DDNS service is provided by DynDNS.org, then select **DynDNS.org** from the drop-down menu. If your DDNS service is provided by TZO, then select **TZO.com**. The features available on the *DDNS* screen will vary, depending on which DDNS service provider you use.

### DynDNS.org



DDNS Service: DynDNS.org

Username:

Password:

Host Name:

System: Dynamic

Mail Exchange (Optional):

Backup MX: ○ Enabled ● Disabled

Wildcard: ○ Enabled ● Disabled

Internet IP Address: 0.0.0.0

Status:

Setup > DDNS > DynDNS

**Username** Enter the username for your DDNS account.

**Password** Enter the password for your DDNS account.

**Host Name** The DDNS URL assigned by the DDNS service is displayed.

**System** Select the DynDNS service you use: **Dynamic**, **Static**, or **Custom**. The default selection is **Dynamic**.

**Mail Exchange (Optional)** Enter the address of your mail exchange server, so e-mails to your DynDNS address go to your mail server.

**Backup MX** This option allows the Mail eXchange (MX) server to be a backup. To disable this feature, keep the default, **Disabled**. To enable the feature, select **Enabled**. If you are not sure which setting to select, keep the default, **Disabled**.

**Wildcard** This setting enables or disables wildcards for your host. For example, if your DDNS address is *myplace.dyndns.org* and you enable wildcards, then *x.myplace.dyndns.org* will work as well (x is the wildcard). To disable wildcards, keep the default, **Disabled**. To enable wildcards, select **Enabled**. If you are not sure which setting to select, keep the default, **Disabled**.

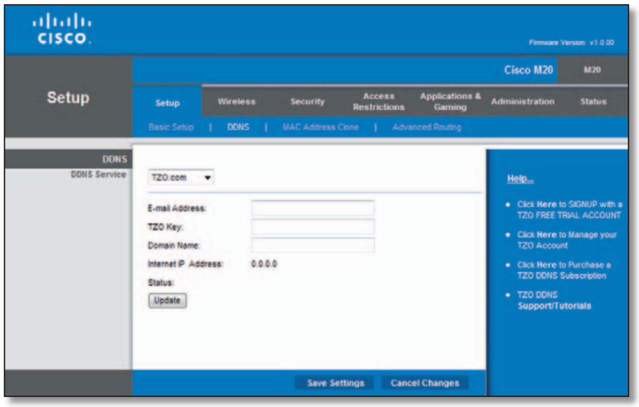
**Internet IP Address** The Valet's Internet IP address is displayed. Because it is dynamic, it will change periodically.

**Status** The status of the DDNS service connection is displayed.

**Update** To manually trigger an update, click **Update**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### TZO.com



DDNS Service: TZO.com

E-mail Address:

TZO Key:

Domain Name:

Internet IP Address: 0.0.0.0

Status:

Update

- Click Here to SIGNUP with a TZO FREE TRIAL ACCOUNT
- Click Here to Manage your TZO Account
- Click Here to Purchase a TZO DDNS Subscription
- TZO DDNS Support/Tutorials

Setup > DDNS > TZO

**E-mail Address, TZO Key, and Domain Name** Enter the email address, password, and domain name of the account you set up with TZO.

**Internet IP Address** The Valet's Internet IP address is displayed. Because it is dynamic, it will change periodically.

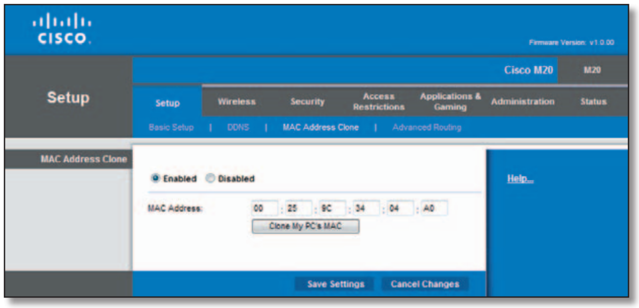
**Status** The status of the DDNS service connection is displayed.

**Update** To manually trigger an update, click **Update**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Setup > MAC Address Clone

A Media Access Control (MAC) address is a 12-digit code assigned to a unique piece of hardware for identification. Some ISPs will require you to register a MAC address for Internet access. If your computer's MAC address is registered with your ISP and you do not wish to re-register the MAC address, you may assign the registered MAC address to the Valet with the MAC Address Clone feature.



MAC Address Clone: ● Enabled ○ Disabled

MAC Address: 00 : 25 : 9C : 34 : 04 : A0

Clone My PC's MAC

Setup > MAC Address Clone

### MAC Address Clone

**Enabled/Disabled** To have the MAC Address cloned, select **Enabled**.

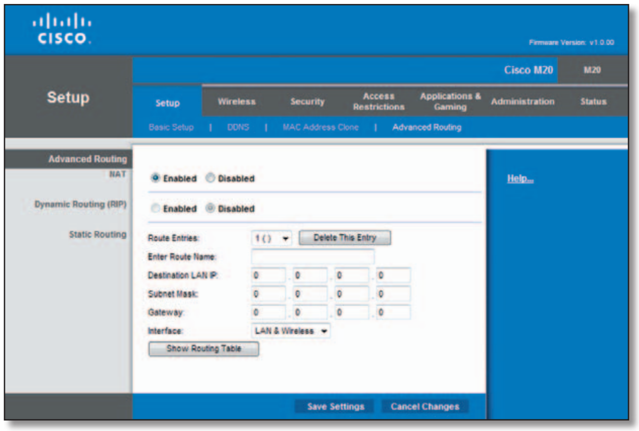
**MAC Address** Enter the MAC Address registered with your ISP here.

**Clone My PC's MAC** Click this option to clone the MAC address of the computer you are using.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Setup > Advanced Routing

This screen is used to set up the Valet's advanced functions. Operating Mode allows you to select the type(s) of advanced functions you use. Dynamic Routing automatically adjusts how packets travel on your network. Static Routing sets up a fixed route to another network destination.



NAT: ● Enabled ○ Disabled

Dynamic Routing (RIP): ○ Enabled ● Disabled

Static Routing

Route Entries: 1 ( ) Delete This Entry

Enter Route Name:

Destination LAN IP: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Gateway: 0 . 0 . 0 . 0

Interface: LAN & Wireless

Show Routing Table

Setup > Advanced Routing

### Advanced Routing

#### NAT

**Enabled/Disabled** If the Valet is hosting your network's connection to the Internet, keep the default, **Enabled**. If another router exists on your network, select **Disabled**. When Network Address Translation (NAT) is disabled, dynamic routing will be available.

#### Dynamic Routing (RIP)

Dynamic routing uses the Routing Information Protocol (RIP). This option enables the Valet to automatically adjust to physical changes in the network's layout and exchange routing tables with the other router(s). The Valet determines the network packets' route based on the fewest number of hops between the source and the destination.

**Enabled/Disabled** When NAT is disabled, the Dynamic Routing option is available. To use the Dynamic Routing option, select **Enabled**.

#### Static Routing

A static route is a pre-determined pathway that network information must travel to reach a specific host or network. Enter the information described below to set up a new static route.

**Route Entries** To set up a static route between the Valet and another network, select a number from the drop-down list. Click **Delete This Entry** to delete a static route.

**Enter Route Name** Enter a name for the Route, using a maximum of 25 alphanumeric characters.

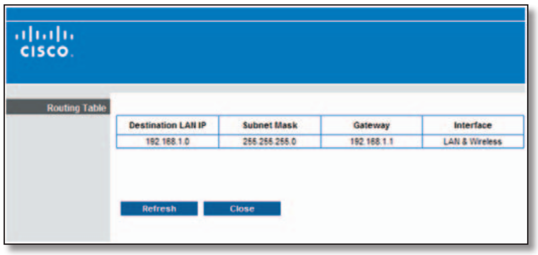
**Destination LAN IP** Enter the IP address of the remote network or host to which you want to assign a static route. (LAN stands for Local Area Network.)

**Subnet Mask** Enter the subnet mask, which determines which portion of a Destination LAN IP address is the network portion, and which portion is the host portion.

**Gateway** Enter the IP address of the gateway server that allows contact between the Valet and the remote network or host.

**Interface** Select the location of the Destination LAN IP address, the **LAN & Wireless** (Ethernet and wireless networks) or the **Internet (WAN)**. (WAN stands for Wide Area Network.)

Click **Show Routing Table** to view the static routes you have already set up.



| Destination LAN IP | Subnet Mask | Gateway | Interface |
|---|---|---|---|
| 192.168.1.0 | 255.255.255.0 | 192.168.1.1 | LAN & Wireless |

Advanced Routing > Routing Table

### Routing Table

For each route, the Destination LAN IP address, Subnet Mask, Gateway, and Interface are displayed. Click **Refresh** to update the information. Click **Close** to exit this screen.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Wireless > Basic Wireless Settings

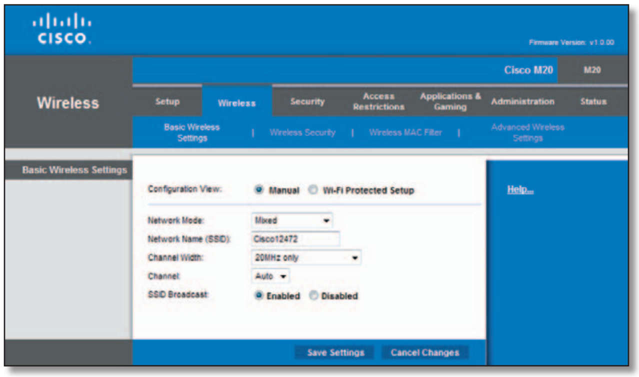
The basic settings for wireless networking are set on this screen.

There are two ways to configure the Valet's wireless network(s), manual and Wi-Fi Protected Setup.

Wi-Fi Protected Setup is a feature that makes it easy to set up your wireless network. If you have client devices, such as wireless adapters, that support Wi-Fi Protected Setup, then you can use Wi-Fi Protected Setup.

**Configuration View** To manually configure your wireless network, select **Manual**. Proceed to the "Basic Wireless Settings" section. To use Wi-Fi Protected Setup, select **Wi-Fi Protected Setup**. Proceed to the "Wi-Fi Protected Setup" section.

### Basic Wireless Settings (Manual)



Configuration View: ● Manual ○ Wi-Fi Protected Setup

Network Mode: Mixed

Network Name (SSID): Cisco12472

Channel Width: 20MHz only

Channel: Auto

SSID Broadcast: ● Enabled ○ Disabled

Wireless > Basic Wireless Settings (Manual Setup)

**Network Mode** From the drop-down menu, select the wireless standards running on your network:

- **Mixed** Use this option if you have Wireless-N, Wireless-G, and Wireless-B devices on your network.
- **BG-Mixed** Use this option if you have only Wireless-G and Wireless-B devices on your network.
- **Wireless-G Only** Use this option if you have only Wireless-G devices on your network.
- **Wireless-B Only** Use this option if you have only Wireless-B devices on your network.
- **Wireless-N Only** Use this option if you have only Wireless-N devices on your network.
- **Disabled** Use this option if your network has no wireless devices, or if you want to disable wireless networking.

✓ **NOTE:** If you are unsure of what network mode to use, keep the default **Mixed** setting.

**Network Name (SSID)** The SSID is the network name shared among all points in a wireless network. The SSID must be identical for all devices in the wireless network. It is case-sensitive and must not exceed 32 characters (use any of the characters on the keyboard).

**Channel Width** Select **Auto** if you want the Valet to automatically determine the proper channel width (20 MHz or 40 MHz) to use. For best performance, select **Auto**, otherwise keep the default **20MHz only**.

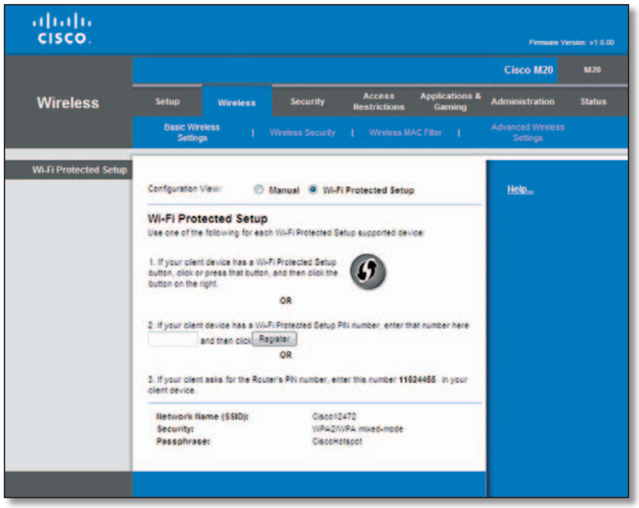
**Channel** Select a channel from 1 to 11, or **Auto** (default).

**SSID Broadcast** When wireless clients survey the local area for wireless networks to associate with, they will detect the SSID broadcast by the Valet. To broadcast the Valet's SSID, keep the default setting, **Enabled**. If you do not want to broadcast the Valet's SSID, then select **Disabled**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Wi-Fi Protected Setup

There are three methods available. Use the method that applies to the client device you are configuring.



Configuration View: ○ Manual ● Wi-Fi Protected Setup

Wi-Fi Protected Setup

Use one of the following for each Wi-Fi Protected Setup supported device:

1. If your client device has a Wi-Fi Protected Setup button, click or press that button, and then click the button on the right.

OR

2. If your client device has a Wi-Fi Protected Setup PIN number, enter that number here and then click Register

OR

3. If your client asks for the Router's PIN number, enter this number 11624465 in your client device.

| | |
|---|---|
| Network Name (SSID): | Cisco12472 |
| Security: | WPA2/WPA mixed-mode |
| Passphrase: | CiscoHotspot |

Wireless > Basic Wireless Settings (Wi-Fi Protected Setup)

**NOTE:** Wi-Fi Protected Setup configures one client device at a time. Repeat the instructions for each client device that supports Wi-Fi Protected Setup.

4. **Use the Wi-Fi Protected Setup Button** Use this method if your client device has a Wi-Fi Protected Setup button.

    a. Click or press the **Wi-Fi Protected Setup** button on the client device.

    b. Click the **Wi-Fi Protected Setup** button on this screen.

    The Wi-Fi Protected Setup LED on the Valet flashes blue for two minutes during the setup process and lights up solid blue when the Wi-Fi Protected Setup process is successful.

    The LED lights up amber if there is an error during the Wi-Fi Protected Setup process. Make sure the client device supports Wi-Fi Protected Setup. Wait until the LED is off, and then try again.

    The LED flashes when a Wi-Fi Protected Setup session is active. The Valet supports one session at a time. Wait until the LED is solidly lit, or off before starting the next Wi-Fi Protected Setup session.

    c. After the client device has been configured, click **OK**. Then refer back to your client device or its documentation for further instructions.

5. **Enter the client device's PIN on the Valet** Use this method if your client device has a Wi-Fi Protected Setup PIN number.

    a. Enter the PIN number in the field on this screen.

    b. Click **Register**.

    c. After the client device has been configured, click **OK**. Then refer back to your client device or its documentation for further instructions.

6. **Enter the Valet's PIN on your client device** Use this method if your client device asks for the Valet's PIN number.

    a. Enter the PIN number listed on this screen. (It is also listed on the label on the bottom of the Valet.)

    b. After the client device has been configured, click **OK**. Then refer back to your client device or its documentation for further instructions.

The Wi-Fi Protected Setup Status, Network Name (SSID), Security, Encryption, and Passphrase are displayed at the bottom of the screen.

**NOTE:** If you have client devices that do not support Wi-Fi Protected Setup, note the wireless settings, and then manually configure those client devices.

## Wireless > Wireless Security

The wireless security settings configure the security of your wireless network(s). The Valet supports the following wireless security options: WPA2/WPA Mixed Mode, WPA2 Personal, WPA Personal, WPA2/WPA Enterprise Mixed Mode, WPA2 Enterprise, WPA Enterprise, WEP, and RADIUS. (WPA stands for Wi-Fi Protected Access. WEP stands for Wireless Equivalent Privacy. RADIUS stands for Remote Authentication Dial-In User Service.

### Personal Options

| Security Option | Strength |
|---|---|
| WPA2 Personal | Strongest |
| WPA2/WPA Mixed Mode | WPA2: Strongest<br>WPA: Strong |
| WPA Personal | Strong |
| WEP | Basic |

### Office Options

The office options are available for networks that use a RADIUS server for authentication. The office options are stronger than the personal options because WPA2 or WPA provides encryption while RADIUS provides authentication.

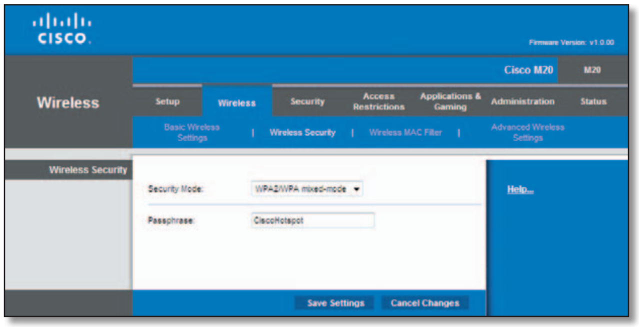
| Security Option | Strength |
|---|---|
| WPA2 Enterprise | Strongest |
| WPA2/WPA Enterprise Mixed Mode | WPA2: Strongest<br>WPA: Strong |
| WPA Enterprise | Strong |
| RADIUS | Basic |

## Security Mode

Select the security method for your wireless network: WPA2/WPA Mixed Mode, WPA2 Personal, WPA Personal, WPA2/WPA Enterprise Mixed Mode, WPA2 Enterprise, WPA Enterprise, WEP, RADIUS, or Disabled.

### WPA2/WPA Mixed Mode

**NOTE:** If you select WPA2/WPA Mixed Mode as your Security Mode, each device in your wireless network MUST use WPA2/WPA and the same passphrase.



Security Mode: WPA2/WPA mixed-mode

Passphrase: CiscoHotspot

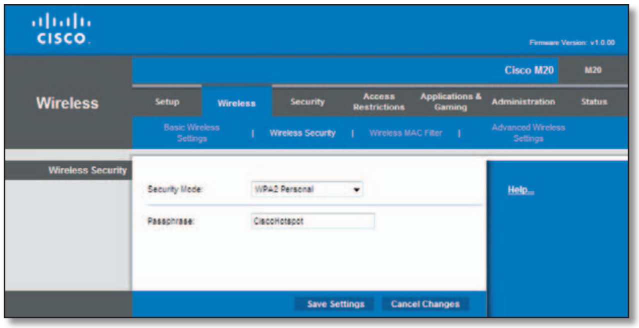
Security Mode > WPA2/WPA Mixed Mode

**Passphrase** Enter a Passphrase of 8-63 characters. The setup software that you use to install your Valet and set up your wireless network changes the default passphrase.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WPA2 Personal

**NOTE:** If you select WPA2 Personal as your Security Mode, each device in your wireless network MUST use WPA2 Personal and the same passphrase.



Security Mode: WPA2 Personal

Passphrase: CiscoHotspot

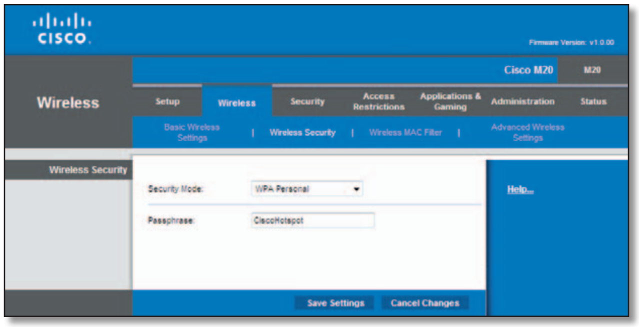
Security Mode > WPA2 Personal

**Passphrase** Enter a Passphrase of 8-63 characters. The setup software that you use to install your Valet and set up your wireless network changes the default passphrase.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WPA Personal

**NOTE:** If you select WPA Personal as your Security Mode, each device in your wireless network MUST use WPA Personal and the same passphrase.



Security Mode: WPA Personal

Passphrase: CiscoHotspot

Security Mode > WPA Personal

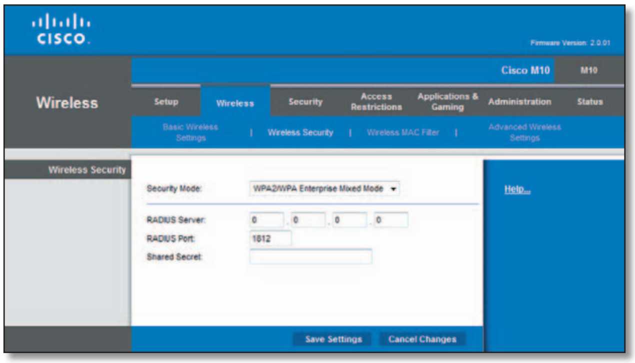
**Passphrase** Enter a Passphrase of 8-63 characters. The setup software that you use to install your Valet and set up your wireless network changes the default passphrase.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WPA2/WPA Enterprise Mixed Mode

This option features WPA2/WPA used in coordination with a RADIUS server. (This should only be used when a RADIUS server is connected to the Valet.)

**NOTE:** If you select WPA2/WPA Enterprise Mixed Mode as your Security Mode, each device in your wireless network MUST use WPA2/WPA Enterprise and the same shared key.



Security Mode: WPA2/WPA Enterprise Mixed Mode

RADIUS Server: 0 . 0 . 0 . 0

RADIUS Port: 1812

Shared Secret:

WPA2/WPA Enterprise Mixed Mode

**RADIUS Server** Enter the IP address of the RADIUS server.

**RADIUS Port** Enter the port number of the RADIUS server. The default is **1812**.

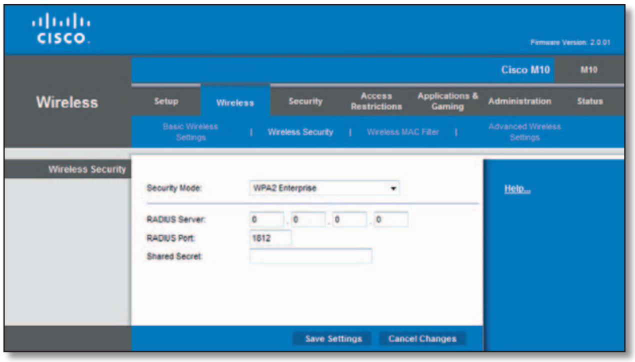
**Shared Key** Enter the key shared between the Valet and the server.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WPA2 Enterprise

This option features WPA2 used in coordination with a RADIUS server. (This should only be used when a RADIUS server is connected to the Valet.)

**NOTE:** If you select WPA2 Enterprise as your Security Mode, each device in your wireless network MUST use WPA2 Enterprise and the same shared key.



Security Mode: WPA2 Enterprise
RADIUS Server: 0 . 0 . 0 . 0
RADIUS Port: 1812
Shared Secret:

WPA2 Enterprise

**RADIUS Server** Enter the IP address of the RADIUS server.

**RADIUS Port** Enter the port number of the RADIUS server. The default is **1812**.

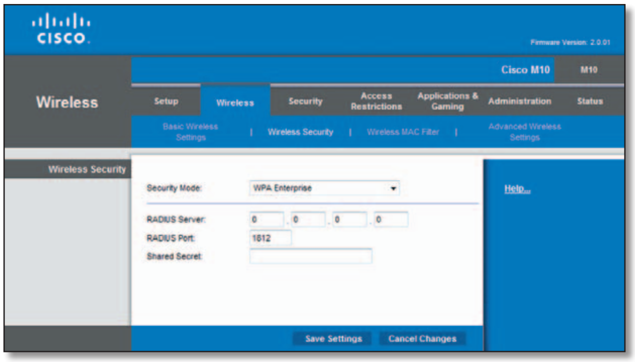
**Shared Key** Enter the key shared between the Valet and the server.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WPA Enterprise

This option features WPA used in coordination with a RADIUS server. (This should only be used when a RADIUS server is connected to the Valet.)

**NOTE:** If you select WPA Enterprise as your Security Mode, each device in your wireless network MUST use WPA Enterprise and the same shared key.



Security Mode: WPA Enterprise
RADIUS Server: 0 . 0 . 0 . 0
RADIUS Port: 1812
Shared Secret:

WPA Enterprise

**RADIUS Server** Enter the IP address of the RADIUS server.

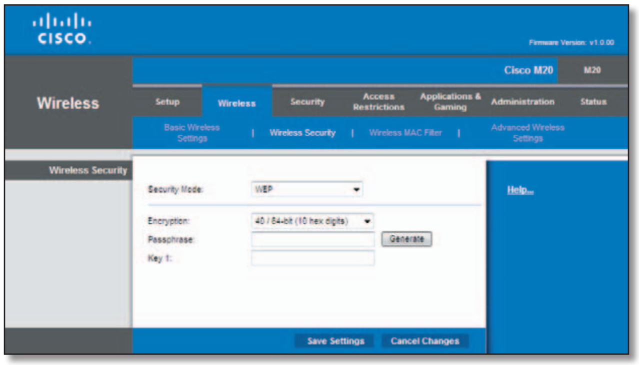
**RADIUS Port** Enter the port number of the RADIUS server. The default is **1812**.

**Shared Key** Enter the key shared between the Valet and the server.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### WEP

**NOTE:** If you select WEP as your Security Mode, each device in your wireless network MUST use WEP and the same encryption and shared key.



Security Mode: WEP
Encryption: 40 / 64-bit (10 hex digits)
Passphrase:
Key 1:

Security Mode > WEP

**Encryption** Select a level of WEP encryption, **40/64 bits (10 hex digits)** or **104/128 bits (26 hex digits)**. The default is **40/64 bits (10 hex digits)**.

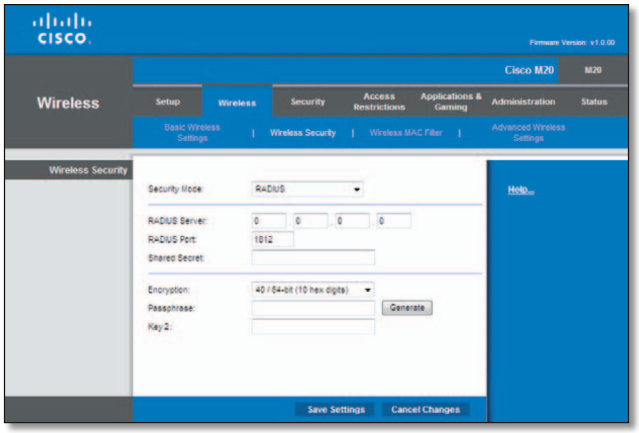
**Passphrase** Enter a Passphrase to automatically generate WEP keys. Then click **Generate**.

**Key 1** If you did not enter a Passphrase, enter the WEP key manually.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

### RADIUS

**NOTE:** If you select RADIUS as your Security Mode, each device in your wireless network MUST use RADIUS and the same WEP encryption and shared key.



Security Mode: RADIUS
RADIUS Server: 0 . 0 . 0 . 0
RADIUS Port: 1812
Shared Secret:
Encryption: 40 / 64-bit (10 hex digits)
Passphrase:
Key 2:

Security Mode > RADIUS

**RADIUS Server** Enter the IP Address of the RADIUS server.

**RADIUS Port** Enter the port number of the RADIUS server. The default value is **1812**.

**Shared Secret** Enter the key shared between the Valet and the server.

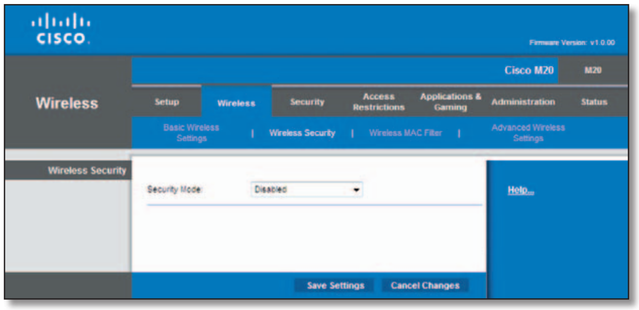
**Encryption** Select a level of WEP encryption, **40/64 bits (10 hex digits)** or **104/128 bits (26 hex digits)**. The default is **40/64 bits (10 hex digits)**.

**Passphrase** Enter a Passphrase to automatically generate WEP keys. Then click **Generate**.

**Key 2** If you did not enter a Passphrase, enter the WEP key manually.

### Disabled

**NOTE:** When wireless security is disabled, anyone can access your wireless network at any time.



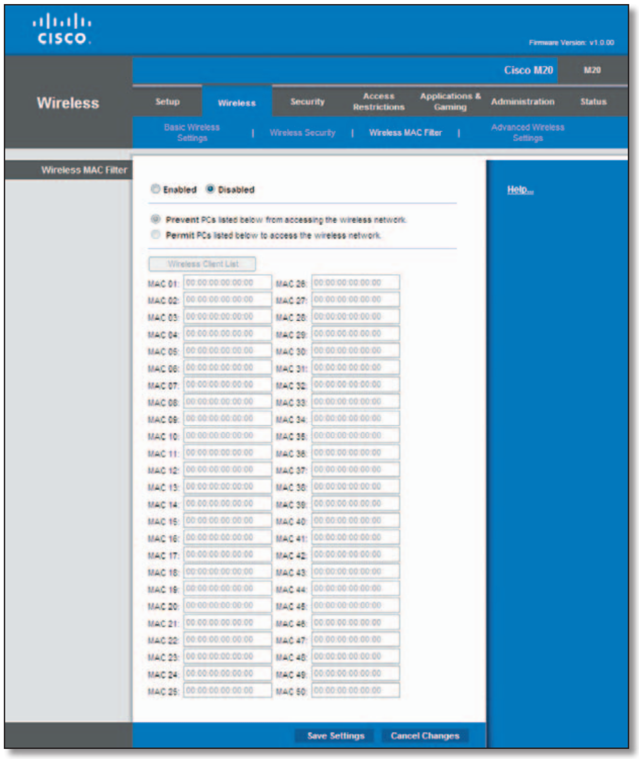
Security Mode: Disabled

Security Mode > Disabled

If you choose to disable wireless security, you will be informed that wireless security is disabled when you first attempt to access the Internet. You will be given the option to enable wireless security, or confirm that you understand the risks but still wish to proceed without wireless security.

## Wireless > Wireless MAC Filter

The *Wireless MAC Filter* option allows you to block or grant access to your network based on the device's MAC address. Each device on your network has a unique MAC address that was assigned to it by the manufacturer.



○ Enabled ● Disabled

● Prevent PCs listed below from accessing the wireless network.
○ Permit PCs listed below to access the wireless network.

| | | | |
|---|---|---|---|
| MAC 01: | 00:00:00:00:00:00 | MAC 26: | 00:00:00:00:00:00 |
| MAC 02: | 00:00:00:00:00:00 | MAC 27: | 00:00:00:00:00:00 |
| MAC 03: | 00:00:00:00:00:00 | MAC 28: | 00:00:00:00:00:00 |
| MAC 04: | 00:00:00:00:00:00 | MAC 29: | 00:00:00:00:00:00 |
| MAC 05: | 00:00:00:00:00:00 | MAC 30: | 00:00:00:00:00:00 |
| MAC 06: | 00:00:00:00:00:00 | MAC 31: | 00:00:00:00:00:00 |
| MAC 07: | 00:00:00:00:00:00 | MAC 32: | 00:00:00:00:00:00 |
| MAC 08: | 00:00:00:00:00:00 | MAC 33: | 00:00:00:00:00:00 |
| MAC 09: | 00:00:00:00:00:00 | MAC 34: | 00:00:00:00:00:00 |
| MAC 10: | 00:00:00:00:00:00 | MAC 35: | 00:00:00:00:00:00 |
| MAC 11: | 00:00:00:00:00:00 | MAC 36: | 00:00:00:00:00:00 |
| MAC 12: | 00:00:00:00:00:00 | MAC 37: | 00:00:00:00:00:00 |
| MAC 13: | 00:00:00:00:00:00 | MAC 38: | 00:00:00:00:00:00 |
| MAC 14: | 00:00:00:00:00:00 | MAC 39: | 00:00:00:00:00:00 |
| MAC 15: | 00:00:00:00:00:00 | MAC 40: | 00:00:00:00:00:00 |
| MAC 16: | 00:00:00:00:00:00 | MAC 41: | 00:00:00:00:00:00 |
| MAC 17: | 00:00:00:00:00:00 | MAC 42: | 00:00:00:00:00:00 |
| MAC 18: | 00:00:00:00:00:00 | MAC 43: | 00:00:00:00:00:00 |
| MAC 19: | 00:00:00:00:00:00 | MAC 44: | 00:00:00:00:00:00 |
| MAC 20: | 00:00:00:00:00:00 | MAC 45: | 00:00:00:00:00:00 |
| MAC 21: | 00:00:00:00:00:00 | MAC 46: | 00:00:00:00:00:00 |
| MAC 22: | 00:00:00:00:00:00 | MAC 47: | 00:00:00:00:00:00 |
| MAC 23: | 00:00:00:00:00:00 | MAC 48: | 00:00:00:00:00:00 |
| MAC 24: | 00:00:00:00:00:00 | MAC 49: | 00:00:00:00:00:00 |
| MAC 25: | 00:00:00:00:00:00 | MAC 50: | 00:00:00:00:00:00 |

Wireless > Wireless MAC Filter

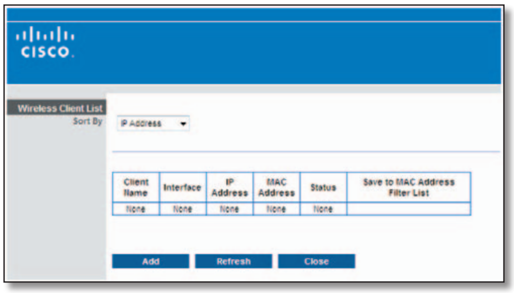
### Wireless MAC Filter

**Enabled/Disabled** To filter wireless users by MAC Address, either permitting or blocking access, select **Enabled**. If you do not wish to filter users by MAC Address, keep the default setting, **Disabled**.

**Prevent** Select this option to block a specific device or multiple devices from accessing your wireless network. You can manually enter the unwanted MAC address(es) or select the device(s) from the *Wireless Client List*. When wireless MAC filtering is enabled, this option is selected by default.

**Permit** Select this option to specify which devices can access your wireless network. When this option is enabled, only devices that have their MAC address listed in the *Wireless MAC Filter* list will be able to access your wireless network. You can enter MAC addresses manually or select them from the *Wireless Client List*.

**Wireless Client List** Click this to open the *Wireless Client List* screen.



Sort By: IP Address

| Client Name | Interface | IP Address | MAC Address | Status | Save to MAC Address Filter List |
|---|---|---|---|---|---|
| None | None | None | None | None | |

Wireless Client List

## Wireless Client List

This screen shows computers and other devices on the wireless network. The list can be sorted by IP Address, MAC Address, Status, Interface, and Client Name.

Select **Save to MAC Address Filter List** for any device you want to add to the MAC Address Filter List. Then click **Add**.

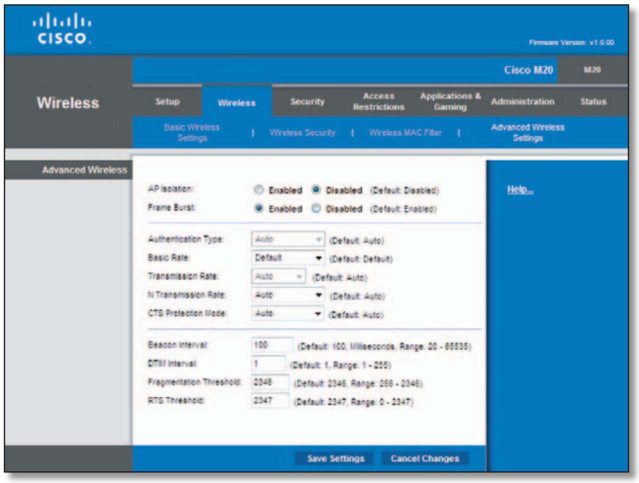
To retrieve the most up-to-date information, click **Refresh**. To exit this screen and return to the *Wireless MAC Filter* screen, click **Close**.

**MAC 01-50** Enter the MAC addresses of the devices whose wireless access you want to block or allow.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

# Wireless > Advanced Wireless Settings

This *Advanced Wireless Settings* screen is used to set up the Valet's advanced wireless functions. These settings should only be adjusted by an advanced user because incorrect settings can reduce wireless performance. In most cases, keep the default settings.



AP Isolation: ○ Enabled ● Disabled (Default: Disabled)
Frame Burst: ● Enabled ○ Disabled (Default: Enabled)

Authentication Type: Auto (Default: Auto)
Basic Rate: Default (Default: Default)
Transmission Rate: Auto (Default: Auto)
N Transmission Rate: Auto (Default: Auto)
CTS Protection Mode: Auto (Default: Auto)

Beacon Interval: 100 (Default: 100, Milliseconds, Range: 20 - 65535)
DTIM Interval: 1 (Default: 1, Range: 1 - 255)
Fragmentation Threshold: 2346 (Default: 2346, Range: 256 - 2346)
RTS Threshold: 2347 (Default: 2347, Range: 0 - 2347)

Wireless > Advanced Wireless Settings

## Advanced Wireless

**AP Isolation** This isolates all wireless clients and wireless devices on your network from each other. Wireless devices will be able to communicate with the Valet but not with each other. To use this function, select **Enabled**. AP Isolation is disabled by default.

**Frame Burst** Enabling this option should provide your network with greater performance, depending on the manufacturer of your wireless products. To use this option, keep the default, **Enabled**. Otherwise, select **Disabled**.

**Authentication Type** The default is set to **Auto**, which allows either Open System or Shared Key authentication to be used. With Open System authentication, the sender and the recipient do NOT use a WEP key for authentication. With Shared Key authentication, the sender and recipient use a WEP key for authentication. Select **Shared Key** to only use Shared Key authentication.

**Basic Rate** The Basic Rate setting is not actually one rate of transmission but a series of rates at which the Valet can transmit. The Valet will advertise its Basic Rate to the other wireless devices in your network, so they know which rates will be used. The Valet will also advertise that it will automatically select the best rate for transmission. The default setting is **Default**, for transmission at all standard wireless rates (1-2 Mbps, 5.5 Mbps, 11 Mbps, 18 Mbps, and 24 Mbps). Other options are **1-2Mbps**, for use with older wireless technology, and **All**, when the Valet can transmit at all wireless rates. The Basic Rate is not the actual rate of data transmission. If you want to specify the Valet's rate of data transmission, configure the Transmission Rate setting.

**Transmission Rate** The rate of data transmission should be set depending on the speed of your wireless network. You can select from a range of transmission speeds, or you can select **Auto** to have the Valet automatically use the fastest possible data rate and enable the Auto-Fallback feature. Auto-Fallback will negotiate the best possible connection speed between the Valet and a wireless client. The default is **Auto**.

**N Transmission Rate** The rate of data transmission should be set depending on the speed of your Wireless-N networking. You can select from a range of transmission speeds, or you can select **Auto** to have the Valet automatically use the fastest possible data rate and enable the Auto-Fallback feature. Auto-Fallback will negotiate the best possible connection speed between the Valet and a wireless client. The default is **Auto**.

**CTS Protection Mode** The Valet will automatically use CTS (Clear-To-Send) Protection Mode when your Wireless-N and Wireless-G products are experiencing severe problems and are not able to transmit to the Valet in an environment with heavy 802.11b traffic. This function boosts the Valet's ability to catch all Wireless-N and Wireless-G transmissions but will severely decrease performance. The default is **Auto**.

**Beacon Interval** Enter a value between 1 and 65,535 milliseconds. The Beacon Interval value indicates the frequency interval of the beacon. A beacon is a packet broadcast by the Valet to synchronize the wireless network. The default value is **100**.

**DTIM Interval** This value, between 1 and 255, indicates the interval of the Delivery Traffic Indication Message (DTIM). A DTIM field is a countdown field informing clients of the next window for listening to broadcast and multicast messages. When the Valet has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM Interval value. Its clients hear the beacons and awaken to receive the broadcast and multicast messages. The default value is **1**.

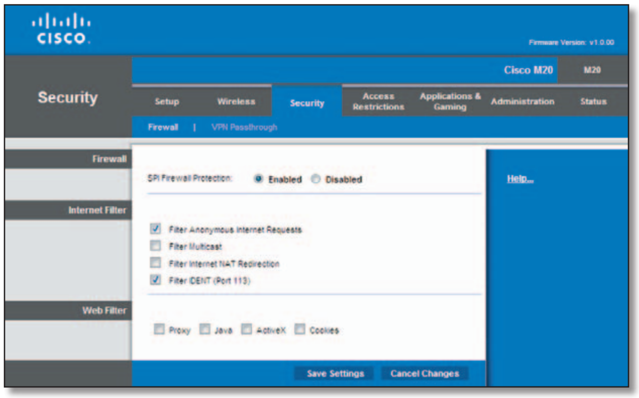
**Fragmentation Threshold** This value specifies the maximum size for a packet before data is fragmented into multiple packets. If you experience a high packet error rate, you may slightly increase the Fragmentation Threshold. Setting the Fragmentation Threshold too low may result in poor network performance. Only minor reduction of the default value is recommended. In most cases, it should remain at its default value of **2346**.

**RTS Threshold** Should you encounter inconsistent data flow, only minor reduction of the default value, **2347**, is recommended. If a network packet is smaller than the preset RTS threshold size, the RTS/CTS mechanism will not be enabled. The Valet sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. The RTS Threshold value should remain at its default value of **2347**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Security > Firewall

The *Firewall* screen is used to configure a firewall that can filter out various types of unwanted traffic on the Valet's local network.



SPI Firewall Protection: ● Enabled ○ Disabled

☑ Filter Anonymous Internet Requests
□ Filter Multicast
□ Filter Internet NAT Redirection
☑ Filter IDENT (Port 113)

□ Proxy □ Java □ ActiveX □ Cookies

Security > Firewall

## Firewall

**SPI Firewall Protection** To use firewall protection, keep the default selection, **Enabled**. To turn off firewall protection, select **Disabled**.

## Internet Filter

**Filter Anonymous Internet Requests** This feature makes it more difficult for outside users to work their way into your network. This feature is selected by default. Deselect the feature to allow anonymous Internet requests.

**Filter Multicast** Multicasting allows for multiple transmissions to specific recipients at the same time. If multicasting is permitted, then the Valet will allow IP multicast packets to be forwarded to the appropriate computers. Select this feature to filter multicasting. This feature is not selected by default.

**Filter Internet NAT Redirection** This feature uses port forwarding to block access to local servers from local networked computers. Select this feature to filter Internet NAT redirection. It is not selected by default.

**Filter IDENT (Port 113)** This feature keeps port 113 from being scanned by devices outside of your local network. This feature is selected by default. Deselect this feature to disable it.

## Web Filter

**Proxy** Use of WAN proxy servers may compromise the Gateway's security. Denying Proxy will disable access to any WAN proxy servers. Select this feature to enable proxy filtering. Deselect the feature to allow proxy access.

**Java** Java is a programming language for websites. If you deny Java, you run the risk of not having access to Internet sites created using this programming language. Select this feature to enable Java filtering. Deselect the feature to allow Java usage.

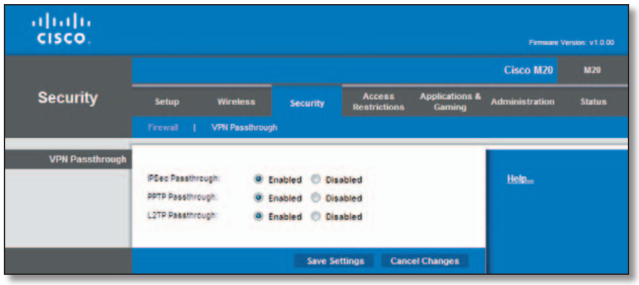
**ActiveX** ActiveX is a programming language for websites. If you deny ActiveX, you run the risk of not having access to Internet sites created using this programming language. Select this feature to enable ActiveX filtering. Deselect the feature to allow ActiveX usage.

**Cookies** A cookie is data stored on your computer and used by Internet sites when you interact with them. Select this feature to filter cookies. Deselect the feature to allow cookie usage.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Security > VPN Passthrough

The *VPN Passthrough* screen allows you to enable VPN tunnels using IPSec, PPTP, or L2TP protocols to pass through the Valet's firewall.



IPSec Passthrough: ● Enabled ○ Disabled

PPTP Passthrough: ● Enabled ○ Disabled

L2TP Passthrough: ● Enabled ○ Disabled

Security > VPN Passthrough

### VPN Passthrough

**IPSec Passthrough** Internet Protocol Security (IPSec) is a suite of protocols used to implement secure exchange of packets at the IP layer. To allow IPSec tunnels to pass through the Valet, keep the default, **Enabled**.

**PPTP Passthrough** Point-to-Point Tunneling Protocol (PPTP) allows the Point-to-Point Protocol (PPP) to be tunneled through an IP network. To allow PPTP tunnels to pass through the Valet, keep the default, **Enabled**.

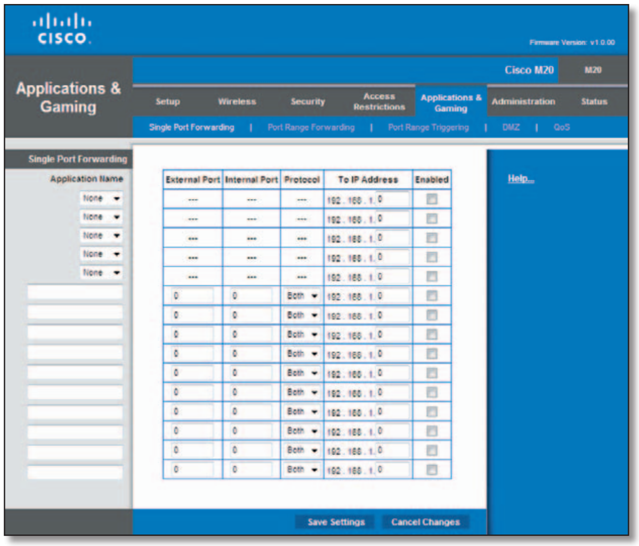
**L2TP Passthrough** Layer 2 Tunneling Protocol is the method used to enable Point-to-Point sessions via the Internet on the Layer 2 level. To allow L2TP tunnels to pass through the Valet, keep the default, **Enabled**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Applications and Gaming > Single Port Forwarding

The *Single Port Forwarding* screen allows you to customize port services for common applications on this screen.

When users send these types of requests to your network via the Internet, the Valet will forward those requests to the appropriate servers (computers). Before using forwarding, you should assign static IP addresses to the designated servers (use the DHCP Reservation feature on the *Basic Setup* screen, refer to "**DHCP Reservation**" on page 17 for more details).



| Application Name | External Port | Internal Port | Protocol | To IP Address | Enabled |
|---|---|---|---|---|---|
| None | --- | --- | --- | 192 . 168 . 1. 0 | □ |
| None | --- | --- | --- | 192 . 168 . 1. 0 | □ |
| None | --- | --- | --- | 192 . 168 . 1. 0 | □ |
| None | --- | --- | --- | 192 . 168 . 1. 0 | □ |
| None | --- | --- | --- | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |
| | 0 | 0 | Both | 192 . 168 . 1. 0 | □ |

Applications and Gaming > Single Port Forwarding

### Single Port Forwarding

Common applications are available for the first five entries. Select the appropriate application. Then enter the IP address of the server that should receive these requests. Select **Enabled** to activate this entry.

For additional applications, complete the following fields:

**Application Name** Enter the name you wish to give the application. Each name can be up to 12 characters.

**External Port** Enter the external port number used by the server or Internet application. Check with the Internet application documentation for more information.

**Internal Port** Enter the internal port number used by the server or Internet application. Check with the Internet application documentation for more information.

**Protocol** Select the protocol used for this application, either **TCP** or **UDP**, or **Both**.

**To IP Address** For each application, enter the IP address of the PC that should receive the requests. If you assigned a static IP address to the PC, then you can click **DHCP Reservation** on the *Basic Setup* screen to look up its static IP address (refer to "**DHCP Reservation**" on page 17 for more details).

**Enabled** For each application, select **Enabled** to enable port forwarding.

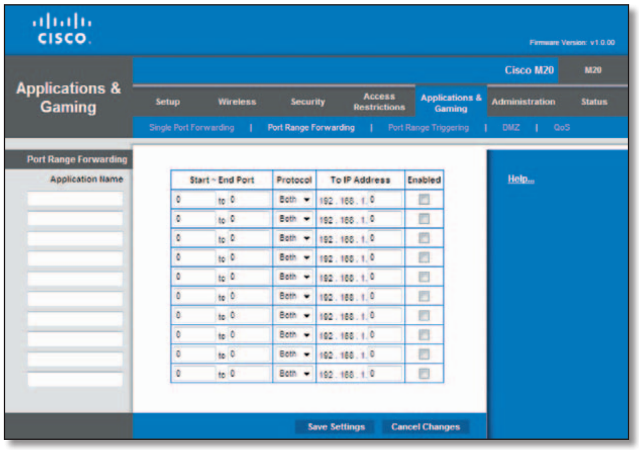
Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Applications and Gaming > Port Range Forwarding

The *Port Range Forwarding* screen allows you to set up public services on your network, such as web servers, FTP servers, e-mail servers, or other specialized Internet applications. (Specialized Internet applications are any applications that use Internet access to perform functions such as videoconferencing or online gaming. Some Internet applications may not require any forwarding.)

When users send these types of requests to your network via the Internet, the Valet will forward those requests to the appropriate servers (computers). Before using forwarding, you should assign static IP addresses to the designated servers (use the DHCP Reservation feature on the *Basic Setup* screen, refer to "**DHCP Reservation**" on page 17 for more details).

If you need to forward all ports to one computer, click the **DMZ** tab.



| Application Name | Start ~ End Port | Protocol | To IP Address | Enabled |
|---|---|---|---|---|
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |
| | 0 to 0 | Both ▾ | 192 . 168 . 1. 0 | □ |

Applications and Gaming > Port Range Forwarding

### Port Range Forwarding

To forward a port, enter the information on each line for the criteria required.

**Application Name** In this field, enter the name you wish to give the application. Each name can be up to 12 characters.

**Start~End Port** Enter the number or range of port(s) used by the server or Internet applications. Check with the Internet application documentation for more information.

**Protocol** Select the protocol used for this application, either **TCP** or **UDP**, or **Both**.

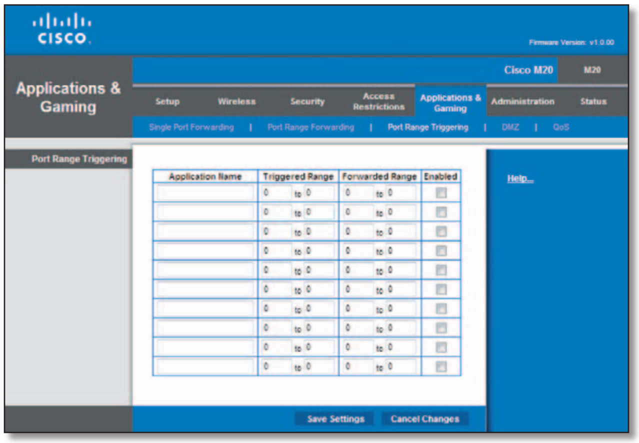
**To IP Address** For each application, enter the IP address of the PC running the specific application. If you assigned a static IP address to the PC, then you can click **DHCP Reservation** on the *Basic Setup* screen to look up its static IP address (refer to "**DHCP Reservation**" on page 17 for more details).

**Enabled** Select **Enabled** to enable port forwarding for the applications you have defined.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Applications & Gaming > Port Range Triggering

The *Port Range Triggering* screen allows the Valet to watch outgoing data for specific port numbers. The IP address of the computer that sends the matching data is remembered by the Valet, so that when the requested data returns through the Valet, the data is pulled back to the proper computer by way of IP address and port mapping rules.



| Application Name | Triggered Range | Forwarded Range | Enabled |
|---|---|---|---|
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |
| | 0 to 0 | 0 to 0 | □ |

Applications and Gaming > Port Range Triggering

### Port Range Triggering

**Application Name** Enter the application name of the trigger.

**Triggered Range** For each application, enter the starting and ending port numbers of the triggered port number range. Check with the Internet application documentation for the port number(s) needed.

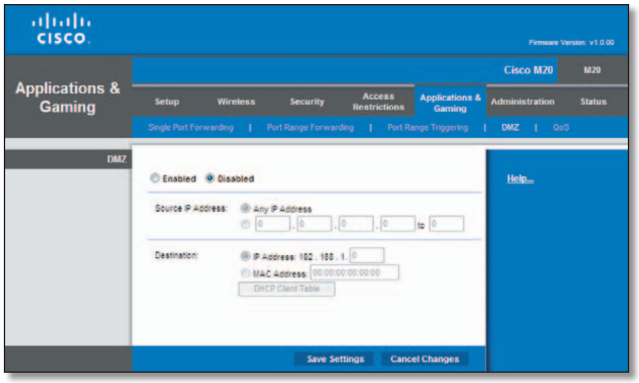
**Forwarded Range** For each application, enter the starting and ending port numbers of the forwarded port number range. Check with the Internet application documentation for the port number(s) needed.

**Enabled** Select **Enabled** to enable port triggering for the applications you have defined.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Applications and Gaming > DMZ

The DMZ feature allows one network computer to be exposed to the Internet for use of a special-purpose service such as Internet gaming or videoconferencing. DMZ hosting forwards all the ports at the same time to one PC. The Port Range Forwarding feature is more secure because it only opens the ports you want to have opened, while DMZ hosting opens all the ports of one computer, exposing the computer to the Internet.



DMZ

○ Enabled ● Disabled

Source IP Address: ● Any IP Address
○ 0 . 0 . 0 . 0 to 0

Destination: ● IP Address: 192 . 168 . 1. 0
○ MAC Address: 00:00:00:00:00:00

Applications and Gaming > DMZ

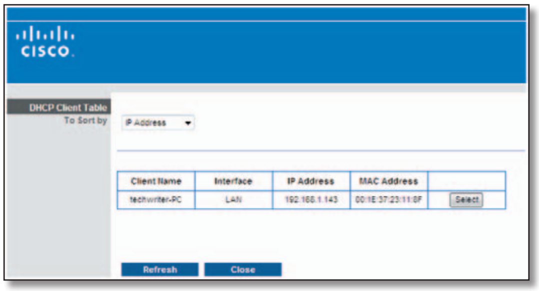
### DMZ

Any PC whose port is being forwarded must have its DHCP client function disabled and should have a new static IP address assigned to it because its IP address may change when using the DHCP function.

**Enabled/Disabled** To disable DMZ hosting, select **Disabled**. To expose one PC, select **Enabled**. Then configure the following settings:

**Source IP Address** If you want any IP address to be the source, select **Any IP Address**. If you want to specify an IP address or range of IP addresses as the designated source, select and complete the IP address range fields.

**Destination** If you want to specify the DMZ host by IP address, select **IP Address** and enter the IP address in the field provided. If you want to specify the DMZ host by MAC address, select **MAC Address** and enter the MAC address in the field provided. To retrieve this information, click **DHCP Client Table**.



DHCP Client Table

To Sort by: IP Address

| Client Name | Interface | IP Address | MAC Address | |
|---|---|---|---|---|
| techwriter-PC | LAN | 192.168.1.143 | 00:1E:37:23:11:8F | Select |

DMZ > DHCP Client Table

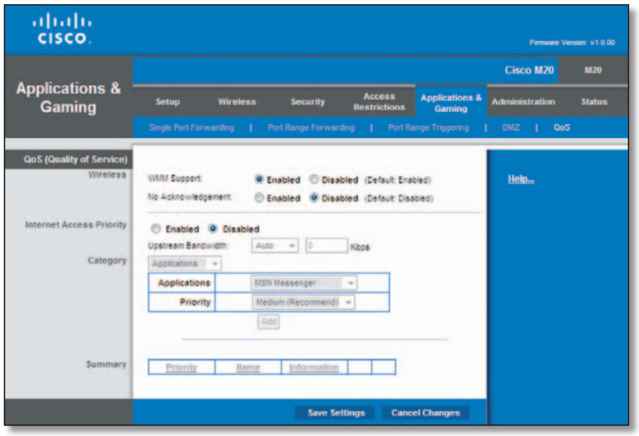
### DHCP Client Table

The DHCP Client Table lists computers and other devices that have been assigned IP addresses by the Valet. The list can be sorted by Client Name, Interface, IP Address, MAC Address, and Expired Time (how much time is left for the current IP address). To select a DHCP client, click **Select**. To retrieve the most up-to-date information, click **Refresh**. To exit this screen and return to the *DMZ* screen, click **Close**.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Applications and Gaming > QoS

Quality of Service (QoS) ensures better service to high-priority types of network traffic, which may involve demanding, real-time applications, such as videoconferencing.



QoS (Quality of Service)

Wireless
WMM Support: ● Enabled ○ Disabled (Default: Enabled)
No Acknowledgement: ○ Enabled ● Disabled (Default: Disabled)

Internet Access Priority
○ Enabled ● Disabled
Upstream Bandwidth: Auto 0 Kbps

Category: Applications

| | |
|---|---|
| Applications | MSN Messenger |
| Priority | Medium (Recommend) |

Summary

| Priority | Name | Information | | |
|---|---|---|---|---|

Applications and Gaming > QoS

### QoS (Quality of Service)

#### Wireless

You can configure the WMM Support and No Acknowledgement settings in this section.

**WMM Support** If you have other devices that support Wi-Fi Multimedia (WMM) on your network, keep the default, **Enabled**. Otherwise, select **Disabled**.

**No Acknowledgement** If you want to disable the Valet's Acknowledgement feature, so the Valet will not re-send data if an error occurs, then select **Enabled**. Otherwise, keep the default, **Disabled**.

#### Internet Access Priority

In this section, you can set the bandwidth priority for a variety of applications and devices. There are four levels priority: High, Medium, Normal, or Low. When you set priority, do not set all applications to High, because this will defeat the purpose of allocating the available bandwidth. If you want to select below normal bandwidth, select Low.

Depending on the application, a few attempts may be needed to set the appropriate bandwidth priority.

**Enabled/Disabled** To use the QoS policies you have set, select, **Enabled**. Otherwise, keep the default **Disabled**.

## Upstream Bandwidth

**Upstream Bandwidth** This option sets the maximum outgoing bandwidth that applications can use. To allow the Valet to set the maximum, keep the default, **Auto**. To specify the maximum, select **Manual**. Then enter the appropriate value and select **Kbps** or **Mbps**.

## Category

You can define the Internet access priority level for as many categories as you want. The *Summary* section will display all of the priority selections that you enter. Select from the following categories:

- **Applications** Allows you to assign the bandwidth priority level for a pre-defined application (selected from the list) or add a new application and port settings and then prioritize it.
- **Online Games** Allows you to assign a priority level for a pre-defined game selection that you can select from the list or add the settings for a game that isn't listed and select the priority level.
- **MAC Address** This option lets you prioritize network traffic based on the device that is accessing the network. For example, if you want your gaming console to have higher priority accessing the Internet than your computer, you can define that here based on their MAC addresses.
- **Voice Device** Voice devices demand a higher level of Internet prioritization. If you have a voice device or devices on your network that you want to prioritize, you can enter their MAC address using this option.

Proceed to the instructions for your selection.

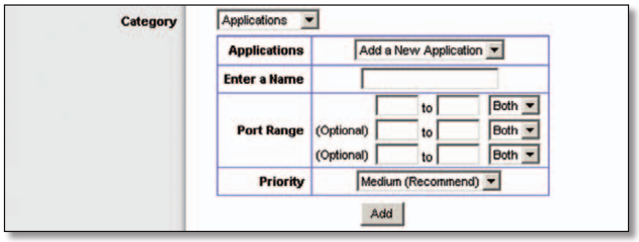
## Applications

**Applications** Select the appropriate application. If you select Add a New Application, follow the Add a New Application instructions.

**Priority** Select the appropriate priority: **High**, **Medium**, **Normal**, or **Low**.

Click **Add** to save your changes. Your new entry will appear in the Summary list.

Add a New Application



Category: Applications
Applications: Add a New Application
Enter a Name:
Port Range: to Both
(Optional) to Both
(Optional) to Both
Priority: Medium (Recommend)
Add

QoS > Add a New Application

**Enter a Name** Enter any name to indicate the name of the entry.

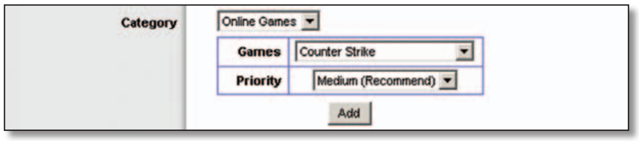
**Port Range** Enter the port range that the application will be using. For example, if you want to allocate bandwidth for FTP, you can enter 21-21. If you need services for an application that uses from 1000 to 1250, you enter 1000-1250 as your settings. You can have up to three ranges to define for this bandwidth allocation. Port numbers can range from 1 to 65535. Check your application's documentation for details on the service ports used.

Select the protocol **TCP** or **UDP**, or select **Both**.

**Priority** Select the appropriate priority: **High**, **Medium (Recommend)**, **Normal**, or **Low**.

Click **Add** to save your changes. Your new entry will appear in the Summary list.

## Online Games



Category: Online Games
Games: Counter Strike
Priority: Medium (Recommend)
Add

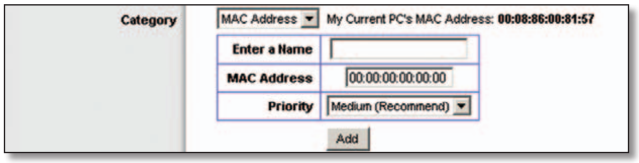
QoS > Online Games

**Game** Select a game from the drop-down list of pre-defined game settings. If the game that you are playing is not listed, select **Add a New Game**. When you select *Add a New Game*, you will need to enter the name of the game, the port range, and the priority level for the game. Refer to the documentation for the game or the game manufacturer's website to find the necessary port information.

**Priority** Select the appropriate priority: **High**, **Medium (Recommend)**, **Normal**, or **Low**.

Click **Add** to save your changes. Your new entry will appear in the Summary list.

### MAC Address


Category: MAC Address
My Current PC's MAC Address: 00:08:86:00:81:57
Enter a Name:
MAC Address: 00:00:00:00:00:00
Priority: Medium (Recommend)

QoS > MAC Address

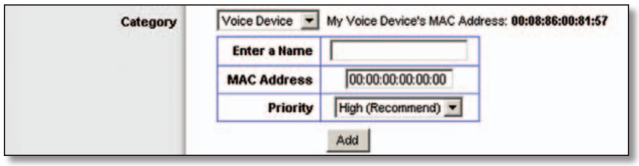
**Enter a Name** Enter a name for your device.

**MAC Address** Enter the MAC address of your device.

**Priority** Select the appropriate priority: **High**, **Medium (Recommend)**, **Normal**, or **Low**.

Click **Add** to save your changes. Your new entry will appear in the Summary list.

### Voice Device


Category: Voice Device
My Voice Device's MAC Address: 00:08:86:00:81:57
Enter a Name:
MAC Address: 00:00:00:00:00:00
Priority: High (Recommend)

QoS > Voice Device

**Enter a Name** Enter a name for your voice device.

**MAC Address** Enter the MAC address of your voice device.

**Priority** Select the appropriate priority: **High (Recommend)**, **Medium**, **Normal**, or **Low**.

Click **Add** to save your changes. Your new entry will appear in the Summary list.

### Summary

This lists the QoS entries you have created for your applications and devices.

**Priority** This column displays the bandwidth priority of High, Medium, Normal, or Low.

**Name** This column displays the application, device, or port name.

**Information** This column displays the port range or MAC address entered for your entry. If a pre-configured application or game was selected, there will be no valid entry shown in this section.

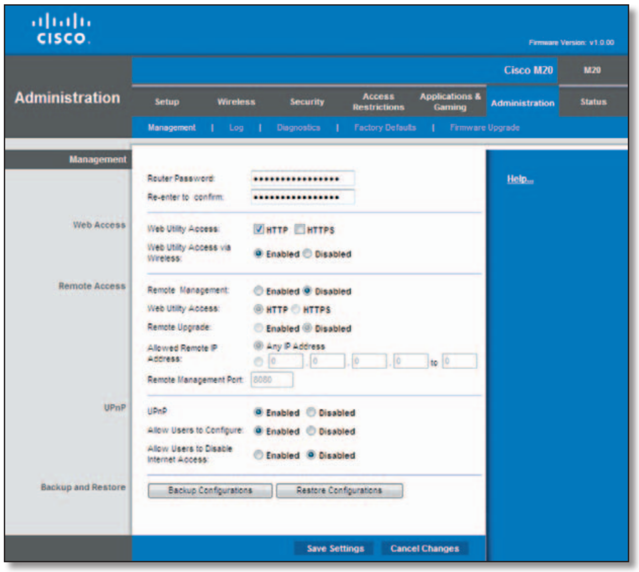
**Remove** Click this button to remove an entry.

**Edit** Click this button to make changes.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

## Administration > Management

The *Administration > Management* screen allows the network's administrator to manage specific Valet functions for access and security.



Router Password: ••••••••••••••••
Re-enter to confirm: ••••••••••••••••
Web Utility Access: ☑ HTTP ☐ HTTPS
Web Utility Access via Wireless: ● Enabled ○ Disabled
Remote Management: ○ Enabled ● Disabled
Web Utility Access: ● HTTP ○ HTTPS
Remote Upgrade: ○ Enabled ● Disabled
Allowed Remote IP Address: ● Any IP Address ○ 0 . 0 . 0 . 0 to 0
Remote Management Port: 8080
UPnP: ● Enabled ○ Disabled
Allow Users to Configure: ● Enabled ○ Disabled
Allow Users to Disable Internet Access: ○ Enabled ● Disabled

Administration > Management

## Management

### Router Access

To ensure the Valet's security, you will be asked for your password when you access the Valet's browser-based utility. The default is **admin**.

**Router Password** Enter a new password for the Valet.

**Re-enter to confirm** Enter the password again to confirm.

### Web Access

**Web Utility Access** HTTP (HyperText Transport Protocol) is the communications protocol used to connect to servers on the World Wide Web. HTTPS uses SSL (Secure Socket Layer) to encrypt data transmitted for higher security. Select **HTTP** or **HTTPS**. **HTTP** is the default.

**Web Utility Access via Wireless** If you are using the Valet in a public domain where you are giving wireless access to your guests, you can disable wireless access to the Valet's browser-based utility. You will only be able to access the utility via a wired connection if you disable the setting. Keep the default, **Enabled**, to allow wireless access to the utility, or select **Disabled** to block wireless access to the utility.

### Remote Access

**Remote Management** To permit remote access of the Valet, from outside the local network, select **Enabled**. Otherwise, keep the default, **Disabled**.

**Web Utility Access** HTTP (HyperText Transport Protocol) is the communications protocol used to connect to servers on the World Wide Web. HTTPS uses SSL (Secured Socket Layer) to encrypt data transmitted for higher security. Select **HTTP** or **HTTPS**. **HTTP** is the default.

**Remote Upgrade** If you want to be able to upgrade the Valet firmware remotely, from outside the local network, select **Enabled**. (You must have the Remote Management feature enabled as well.) Otherwise, keep the default, **Disabled**.

**Allowed Remote IP Address** If you want to be able to access the Valet from any external IP address, select **Any IP Address**. If you want to specify an external IP address or range of IP addresses, then select the second option and complete the fields provided.

**Remote Management Port** Enter the port number that will be open to outside access.

> **NOTE:** When you are in a remote location and wish to manage the Valet, enter **http://<Internet_IP_address>:port** or **https://<Internet_IP_address>:port**, depending on whether you use HTTP or HTTPS. Enter the Valet's specific Internet IP address in place of <Internet_IP_address>, and enter the Remote Management Port number in place of the word port.

## UPnP

Universal Plug and Play (UPnP) allows computers to automatically configure the Valet for various Internet applications, such as gaming and videoconferencing.

**UPnP** If you want to use UPnP, keep the default setting, **Enabled**. Otherwise, select **Disabled**.

**Allow Users to Configure** Keep the default, **Enabled**, if you want to be able to make manual changes to the Valet while using the UPnP feature. Otherwise, select **Disabled**.

**Allow Users to Disable Internet Access** Select **Enabled**, if you want to be able to prohibit any and all Internet connections. Otherwise, keep the default setting, **Disabled**.

## Backup and Restore

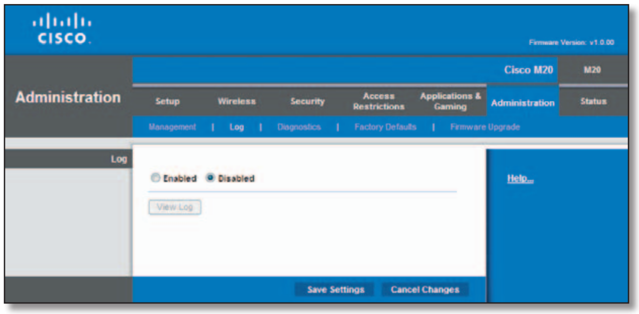
**Backup Configurations** To back up the Valet's configuration settings, click this button and follow the on-screen instructions.

**Restore Configurations** To restore the Valet's configuration settings, click this button and follow the on-screen instructions. (You must have previously backed up the Valet's configuration settings.)

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

# Administration > Log

The Valet can keep logs of all traffic for your Internet connection.



Log ○ Enabled ● Disabled

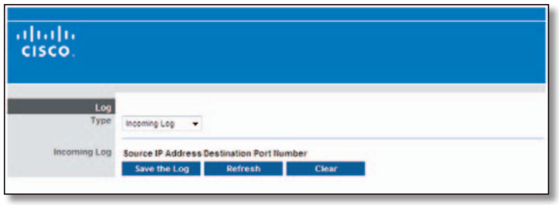
Administration > Log

## Log

**Log** By default the logging option is **Disabled**. To monitor traffic between the network and the Internet, select **Enabled**. With logging enabled, you can choose to view temporary logs.

Click **Save Settings** to apply your changes, or click **Cancel Changes** to clear your changes.

**View Log** To view the logs, click **View Log**.



Type: Incoming Log

Incoming Log: Source IP Address Destination Port Number

Administration > Log > View Log

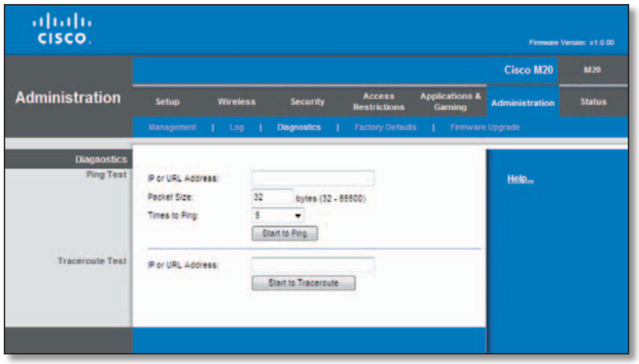
## Log

- **Type** Select **Incoming Log**, **Outgoing Log**, **Security Log**, or **DHCP Client Log**.
- **<Type> Log** The Incoming Log will display a temporary log of the source IP addresses and destination port numbers for the incoming Internet traffic. The Outgoing Log will display a temporary log of the local IP addresses, destination URLs/IP addresses, and service/port numbers for the outgoing Internet traffic. The Security log will display the login information for the browser-based utility. The DHCP Client Log will display the LAN DHCP server status information.

  Click **Save the Log** to save this information to a file on your PC's hard drive. Click **Refresh** to update the log. Click **Clear** to clear all the information that is displayed.

# Administration > Diagnostics

The diagnostic tests (Ping and Traceroute) allow you to check the connections of your network devices, including connection to the Internet.



IP or URL Address:
Packet Size: 32 bytes (32 - 65500)
Times to Ping: 5
IP or URL Address:

Administration > Diagnostics

## Diagnostics

### Ping Test

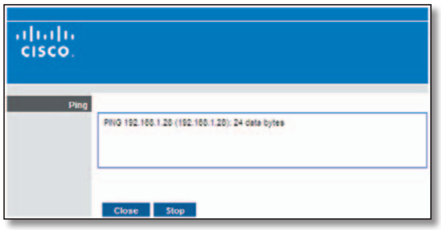
The Ping test checks the status of a connection.

**IP or URL Address** Enter the address of the computer, device, or website whose connection you wish to test.

**Packet Size** Enter the packet size you want to use. The default is **32** bytes.

**Times to Ping** Enter many times you wish to test it.

**Start to Ping** To run the test, click this button. The *Ping Test* screen will show if the test was successful. Click **Close** to return to the *Diagnostics* screen.



```
PING 192.168.1.28 (192.168.1.28): 24 data bytes
```

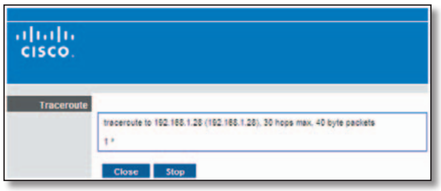
Diagnostics > Ping

### Traceroute Test

The Traceroute test tests the performance of a connection.

**IP or URL Address** Enter the address of the computer, device, or website whose connection you wish to test.

**Start to Traceroute** To run the test, click this button. The *Traceroute Test* screen will show if the test was successful. Click **Close** to return to the *Diagnostics* screen.

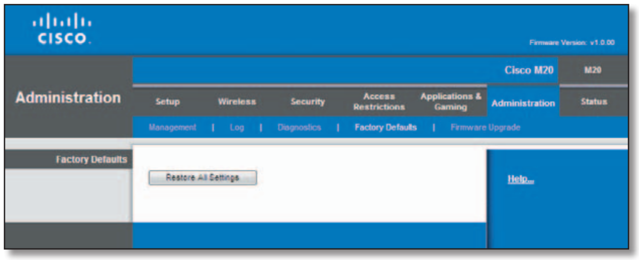


```
traceroute to 192.168.1.28 (192.168.1.28), 30 hops max, 40 byte packets
1 *
```

Diagnostics > Traceroute

# Administration > Factory Defaults

The *Administration > Factory Defaults* screen allows you to restore the Valet's configuration to its factory default settings.



Administration > Factory Defaults

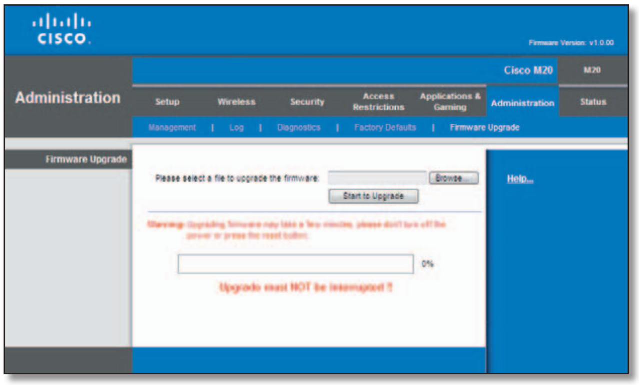
**NOTE:** Do not restore the factory defaults unless you are having difficulties with the Valet and have exhausted all other troubleshooting measures. Once the Valet is reset, you will have to re-enter all of your configuration settings.

## Factory Defaults

**Restore All Settings** To reset the Valet's settings to the default values, click this button and then follow the on-screen instructions. Any settings you have saved will be lost when the default settings are restored.

## Administration > Firmware Upgrade

The *Firmware Upgrade* screen allows you to upgrade the Valet's firmware. Do not upgrade the firmware unless you are experiencing problems with the Valet or the new firmware has a feature you want to use.



Please select a file to upgrade the firmware:

Warning: Upgrading firmware may take a few minutes, please don't turn off the power or press the reset button.

Upgrade must NOT be interrupted !!

Administration > Firmware Upgrade

**NOTE:** The Valet may lose the settings you have customized. Before you upgrade its firmware, write down all of your custom settings. After you upgrade its firmware, you may have to re-enter all of your configuration settings.

### Firmware Upgrade

Before upgrading the firmware, download the firmware upgrade file specifically for your model from the website, **www.thevalet.com**.

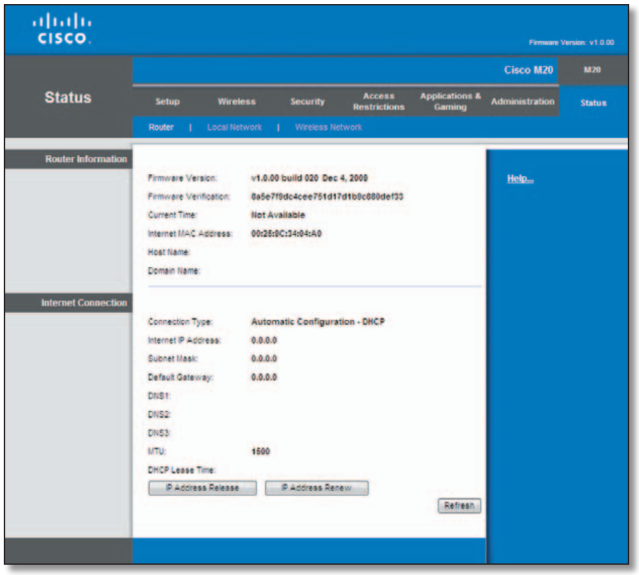
**Please select a file to upgrade the firmware** Click **Browse** and select the firmware upgrade file.

**Start to Upgrade** After you have selected the appropriate file, click this button, and follow the on-screen instructions.

**WARNING:** Do not interrupt the upgrade process. You should not turn off the power or press the reset button during the upgrade process. Doing so may render the Valet unusable.

## Status > Router

The *Router* screen displays information about the Valet and its current settings.



Firmware Version: v1.0.00 build 020 Dec 4, 2009
Firmware Verification: 8a5e7f9dc4cee751d17d1b9c880def33
Current Time: Not Available
Internet MAC Address: 00:25:9C:34:04:A0
Host Name:
Domain Name:

Connection Type: Automatic Configuration - DHCP
Internet IP Address: 0.0.0.0
Subnet Mask: 0.0.0.0
Default Gateway: 0.0.0.0
DNS1:
DNS2:
DNS3:
MTU: 1500
DHCP Lease Time:

Status > Router

### Router Information

**Firmware Version** This is the version number of the Valet's current firmware.

**Firmware Verification** This shows the unique identifier of the firmware.

**Current Time** This shows the time set on the Valet.

**Internet MAC Address** This is the Valet's MAC Address, as seen by your ISP.

**Host Name** If required by your ISP, this was entered on the *Basic Setup* screen.

**Domain Name** If required by your ISP, this was entered on the *Basic Setup* screen.

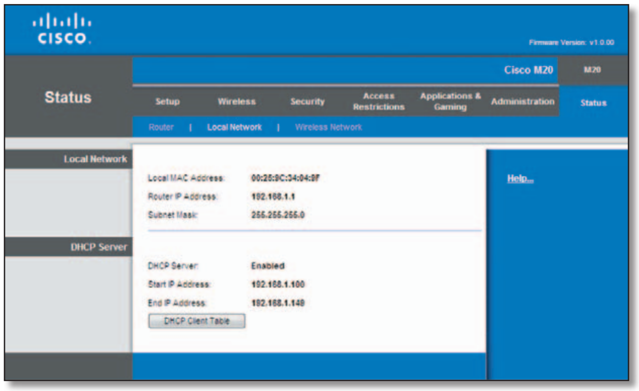
### Internet Connection

This section shows the current network information stored in the Valet. The information varies depending on the Internet connection type selected on the *Basic Setup* screen.

Click **Refresh** to update the on-screen information.

# Status > Local Network

The *Local Network* screen displays information about the local, wired network.



Local Network

Local MAC Address: 00:25:9C:34:04:9F

Router IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

DHCP Server

DHCP Server: Enabled

Start IP Address: 192.168.1.100

End IP Address: 192.168.1.149

DHCP Client Table

Status > Local Network

## Local Network

**Local MAC Address** The MAC address of the Valet's local, wired interface is displayed here.

**Router IP Address** This shows the Valet's IP address, as it appears on your local network.

**Subnet Mask** This shows the Subnet Mask of the Valet.

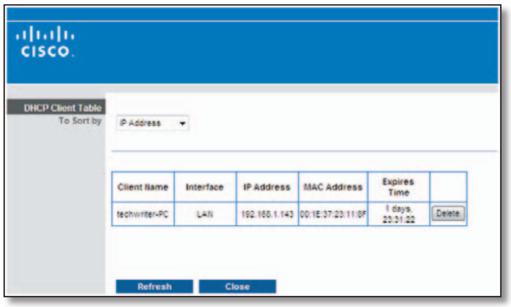
## DHCP Server

**DHCP Server** The status of the Valet's DHCP server function is displayed here.

**Start IP Address** This displays the first available IP address that can be used by devices on your local network.

**End IP Address** This displays the last available IP address that can be used by devices on your local network.

**DHCP Clients Table** Click this button to view a list of computers and devices that are using the Valet as a DHCP server.



DHCP Client Table

To Sort by: IP Address

| Client Name | Interface | IP Address | MAC Address | Expires Time | |
|---|---|---|---|---|---|
| techwriter-PC | LAN | 192.168.1.143 | 00:1E:37:23:11:8F | 1 days, 23:31:22 | Delete |

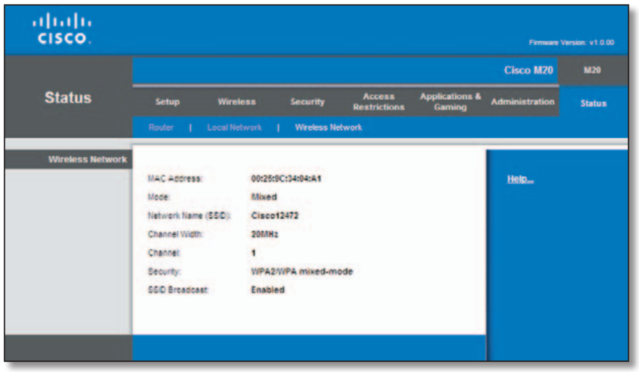
DHCP Clients Table

## DHCP Client Table

The DHCP Client Table lists computers and other devices that have been assigned IP addresses by the Valet. The list can be sorted by Client Name, Interface, IP Address, MAC Address, and Expired Time (how much time is left for the current IP address). To remove a DHCP client, click **Delete**. To retrieve the most up-to-date information, click **Refresh**. To exit this screen and return to the *Local Network* screen, click **Close**.

# Status > Wireless Network

The *Wireless Network* screen displays information about your wireless network.



Wireless Network

MAC Address: 00:25:9C:34:04:A1

Mode: Mixed

Network Name (SSID): Cisco12472

Channel Width: 20MHz

Channel: 1

Security: WPA2/WPA mixed-mode

SSID Broadcast: Enabled

Status > Wireless

## Wireless Network

**MAC Address** The MAC address of the Valet's local, wireless interface is displayed here.

**Mode** Displayed here is the wireless mode used by the network.

**Network Name (SSID)** Displayed here is the name of the wireless network, which is also called the SSID.

**Channel Width** Shown here is the Channel Width setting selected on the *Basic Wireless Settings* screen.

**Channel** Shown here is the Channel setting selected on the *Basic Wireless Settings* screen.

**Security** Displayed here is the wireless security method used by the Valet.

**SSID Broadcast** Displayed here is the status of the SSID Broadcast feature.

# Appendix A: Troubleshooting

***Your computer cannot connect to the Internet.***

Follow these instructions until your computer can connect to the Internet:

- Verify that the power adapter is connected to the Valet and to a power outlet. If connected to a power strip, make sure the power strip is turned on.
- Make sure that the Power light, Internet light, and Wireless light are on. If you have any wired computers connected to the Valet, make sure the appropriate port light is lit.

**NOTE:** The Power light flashes after the power adapter is plugged in to the Valet. If the light remains flashing for more than 30 seconds, it may indicate the Valet is not working properly. Contact support if you have this problem. The number is listed at the bottom of this page.

- Make sure your DSL or cable modem is connected to the Internet port on the Valet using a network cable.
- Reset all of the devices on your network:
  1. Turn off all of your network computers and devices, and then unplug the power adapter from your Valet.
  2. Unplug your modem's power cord (and coaxial cable if you have a cable modem), and wait two minutes.
  3. Reconnect your modem's power cord (and coaxial cable) and wait two more minutes.
  4. Reconnect the power adapter to the Valet, and then power on all of your network computers and devices.

***The modem does not have an Ethernet port.***

The modem is a dial-up modem for traditional dial-up service. To use the Valet, you need a cable/DSL modem and high-speed Internet connection.

***You cannot use the DSL service to connect manually to the Internet.***

After you have installed the Valet, it will automatically connect to your Internet Service Provider (ISP), so you no longer need to connect manually.

***The DSL telephone line does not fit into the Valet's Internet port.***

The Valet does not replace your modem. You still need your DSL modem in order to use the Valet. Connect the telephone line to the DSL modem, and then insert the Easy Setup Key into your computer. Click **Connect** and follow the on-screen instructions.

***When you double-click the web browser, you are prompted for a username and password. If you want to get rid of the prompt, follow these instructions.***

Launch the web browser and perform the following steps (these steps are specific to Internet Explorer but are similar for other browsers):

1. Select **Tools** > **Internet Options**.
2. Click the **Connections** tab.
3. Select **Never dial a connection**.
4. Click **OK**.

***The Valet does not have a coaxial port for the cable connection.***

The Valet does not replace your modem. You still need your cable modem in order to use the Valet. Connect your cable connection to the cable modem, and then insert the Easy Setup Key into your computer. Click **Connect** and follow the on-screen instructions.

***The computer cannot connect wirelessly to the network.***

Make sure the wireless network name or SSID is the same on both the computer and the Valet. If you have enabled wireless security, then make sure the same security method and key are used by both the computer and the Valet.

***You need to modify the settings on the Valet.***

Valet settings can be modified using the Cisco Connect software, refer to "**How to Access Cisco Connect**" on page 13. To modify the advanced settings, go to *Advanced Settings*. Refer to "**Advanced Settings**" on page 13.

***In Windows XP, you do not see the Valet in the* My Network Places *screen.***

In the *Network Tasks* section, click **Show icons for networked UPnP devices**. If the Valet does not appear, follow these instructions:

1. Go to **Start > Control Panel > Firewall**.
2. Click the **Exceptions** tab.
3. Select **UPnP Framework**.
4. Click **OK**.

## Contacting Support

Our award-winning support resources are available 24/7/365. As a Valet owner you can rest easy, knowing that qualified technical support specialists are just a phone call away. **877-500-8070** (US and Canada)

# Appendix B: Specifications

| | |
|---|---|
| Model Name: | Valet |
| Model Description | Wireless-N Hotspot |
| Model Number | M10 |
| Standards | IEEE 802.11n, 802.11g, 802.11b, 802.3u |
| Ports | Internet, Fast Ethernet (1-4), Power |
| Buttons | Reset, Wi-Fi Protected Setup™ |
| LEDs | Power, Internet, Wireless,<br>Wi-Fi Protected Setup™,<br>Ethernet (1-4) |
| Cabling Type | CAT 5 |
| Antennas | 2 (internal) |
| Detachable (y/n) | No |
| Transmitted Power | |
| 802.11n (40MHz) | 13.5 ± 1.5 dBm @ CH6, mcs15 |
| 802.11n (20MHz) | 15.0 ± 1.5 dBm @ CH6, mcs0-4, mcs8-12<br>13.5 ± 1.5 dBm @ CH6, mcs5-7, mcs13-15 |
| 802.11g | 14.5 ± 1.5 dBm |
| 802.11b | 16.5 ± 1.5 dBm |
| Receive Sensitivity | -91 dBm @ 1 Mbps<br>-87 dBm @ 11 Mbps<br>-71 dBm @ 54 Mbps<br>-66 dBm @ 270 Mbps |
| Antenna Gain | 1.5 dBi |
| UPnP able/cert | Able |
| Wireless Security | Wi-Fi Protected Access™ 2 (WPA2), WEP, Wireless MAC Filtering |
| Security Key Bits | Up to 128-Bit Encryption |

## Environmental

| | |
|---|---|
| Dimensions | 7.95" x 6.3" x 1.34"<br>(202 x 160 x 34 mm) |
| Weight | 9.9 oz (0.2806 kg) |
| Power | 12V, 0.5A |
| Certification | FCC, UL/cUL, ICES-003, RSS210, CE, Wi-Fi (IEEE 802.11b/g/n), WPA2™, WMM®, Wi-Fi Protected Setup™ |
| Operating Temp. | 32 to 104°F (0 to 40°C) |
| Storage Temp. | -4 to 140°F (-20 to 60°C) |
| Operating Humidity | 10 to 80% Noncondensing |
| Storage Humidity | 5 to 90% Noncondensing |

Specifications are subject to change without notice.

| | |
|---|---|
| Model Name | Valet Plus |
| Model Description | Wireless-N Hotspot |
| Model Number | M20 |
| Standards | IEEE 802.11n, 802.11g, 802.11b, 802.3u, 802.3ab |
| Ports | Internet, Gigabit Ethernet (1-4), Power |
| Buttons | Reset, Wi-Fi Protected Setup™ |
| LEDs | Power, Internet, Wireless,<br>Wi-Fi Protected Setup™,<br>Ethernet (1-4) |
| Cabling Type | CAT 5 |
| Antennas | 3 (internal) |
| Detachable (y/n) | No |
| Transmitted Power | |
| 802.11n (40 MHz) | 13.0 ± 1.5 dBm @ CH6, 25°C |
| 802.11n (20 MHz) | 15.5 ± 1.5 dBm @ CH6, 25°C |
| 802.11g | 16.5 ± 1.5 dBm @ CH6, 25°C |
| 802.11b | 17.5 ± 1.5 dBm @ CH6, 25°C |
| Receive Sensitivity | -92 dBm @ 1 Mbps<br>-87 dBm @ 11 Mbps<br>-71 dBm @ 54 Mbps<br>-66 dBm @ 270 Mbps |
| Antenna Gain | 1.5 dBi (antennas one and two)<br>2.2 dBi (antenna three) |
| UPnP able/cert | Able |
| Wireless Security | Wi-Fi Protected Access™ 2 (WPA2), WEP, Wireless MAC Filtering |
| Security Key Bits | Up to 128-Bit Encryption |

## Environmental

| | |
|---|---|
| Dimensions | 7.95" x 6.3" x 1.34"<br>(202 x 160 x 34 mm) |
| Weight | 10.9 oz (0.309 kg) |
| Power | 12V, 1.0A |
| Certification | FCC, UL/cUL, ICES-003, RSS210, CE, Wi-Fi (IEEE 802.11b/g/n), WPA2™, WMM®, Wi-Fi Protected Setup™ |
| Operating Temp. | 32 to 104°F (0 to 40°C) |
| Storage Temp. | -4 to 140°F (-20 to 60°C) |
| Operating Humidity | 10 to 80% Noncondensing |
| Storage Humidity | 5 to 90% Noncondensing |

Specifications are subject to change without notice.

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